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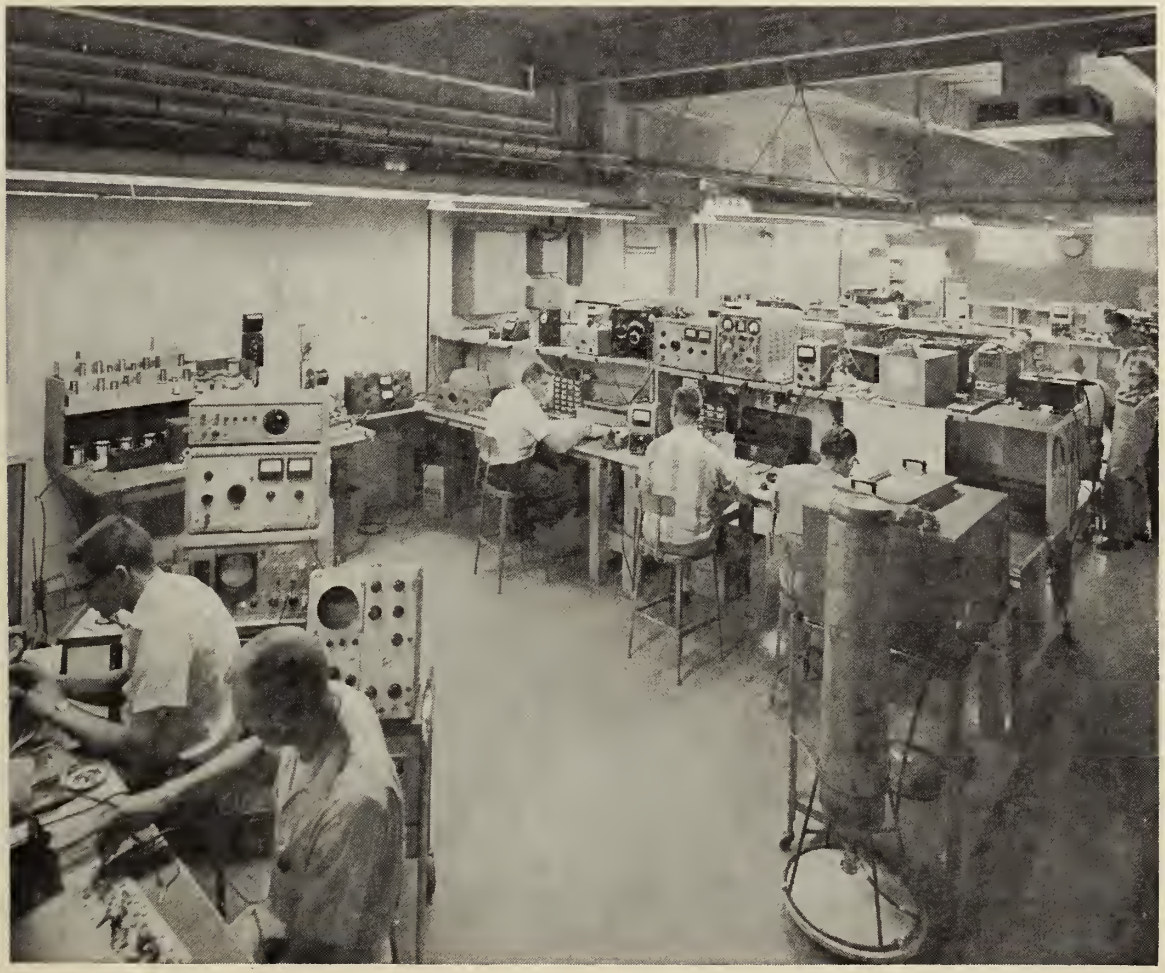
1963 MONTANA DIRECTORY OF FIRMS INTERESTED IN GOVERNMENT PROCUREMENT CONTRACTS

Including

RESEARCH AND DEVELOPMENT

(With Supplement on Montana Communities)



Compiled and Published by the

MONTANA STATE PLANNING BOARD

In Cooperation with the Industrial Committee of the

STATE CHAMBER OF COMMERCE

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(WITH SUPPLEMENT ON MONTANA COMMUNITIES)

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Detailed information in regard to Montana products, manufacturers, and industrial opportunities may be obtained from Director, Montana State Planning Board, Sam W. Mitchell Building, Helena, Montana.

ACKNOWLEDGMENTS

Thanks are due to Mr. Kenneth P. Borgen, Industrial Assistance Coordinator, Department of Navy Material, Washington, D. C., for his suggestions and technical assistance in initiating and carrying out this project.

Thanks are also due to the various state educational institutions which furnished the information in Section II, and to local Chambers of Commerce and various citizens' groups which cooperated in furnishing the information on the communities in Section III.

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INTRODUCTION

This Directory is the first of its kind, combining information on Montana firms interested in Government Procurement Contracts, research and development facilities of 3 units of the Montana State University System, and community surveys indicating the industrial sites, facilities, and general information of many of our State's communities which are interested in industrial expansion.

Section I is composed of firms interested in Government Procurement, either as prime or subcontractors, organized according to the Standard Industrial Classification (S.I.C.) Manual of the U. S. Bureau of the Budget, 1957. This information, obtained from questionnaires sent to a large number of firms, represents those firms which indicated a desire for Procurement Contracts.

Section II is a survey of 3 units of the Montana University System. The listed departments desire Government research and development contracts, and cite past and present research efforts and accomplishments, major research equipment and key personnel. With the rapid advances in technology, it is our belief that the research facilities and personnel of universities somewhat removed from the large manufacturing centers will play an increasing role in research and development.

Section III is a community survey listing detailed plant operations and location information on each community including industrial sites, industrial development organizations, and community facilities. This Section is intended for use by any Federal Agency or prime contractor interested in locating or expanding facilities in Montana.

Appendix I lists power and natural gas rates in the areas supplied by the Montana Power Company and power rates of the Montana-Dakota Utilities Company. Other power and natural gas suppliers and their rate information are listed in the text under various communities.

Appendix II cites general state tax information.

Appendix III consists of maps showing the airline routes, railroad routes, and highways.

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SECTION I

MANUFACTURING FIRMS IN MONTANA WHICH SEEK

GOVERNMENT PROCUREMENT

PRIME CONTRACTS AND SUBCONTRACTS

MAJOR GROUP 24: LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE

FIRM: MILLWORK SUPPLY, INC.
P. O. Box 1181
Billings, Montana Yellowstone County

INDUSTRY CLASSIFICATION 2431 - Millwork Plants

PRODUCTION CAPABILITIES: Entire production has been custom millwork to specifications of local, out-of-state, and government architects. Millwork could tool up for special products and has made numerous items of special school furniture and commercial cabinets, such as doors, frames, mouldings, cabinets, fixtures and shelving, and formica tops.

EQUIPMENT: 1 Dewalt 16"-5 hp. and 2 Delta 9"-3/4 hp. radial arm saws; 1 Northfield 16"-5 hp. and 2-12"-2 hp. circular table saws; 1 Oliver 18" variable speed planer; 1-15 hp. blower and exhaust system; 1-10" and 2-6" jointers; 1-5 hp. shaper; 1 band saw; 1-7" x 364" router; steel and wood clamps; spotnaler; automatic sprinkler systems; saw roller tables; conveyor.

PRODUCTS: Government: Custom millwork on Yellowtail Dam buildings; Canyon Village of Yellowstone National Park; and Dugway Proving Grounds, Utah. Commercial: Custom millwork on public schools, colleges, dormitories, office buildings, churches, banks, motels, hotels, residential (mainly architect designed), hospitals, and shopping centers.

Desires to bid as Prime or Subcontractor for millwork products.

EMPLOYMENT: Current - 9 Potential - 13

PLANT SPACE: Production area: 4608 square feet
Warehouse: 3700 square feet

REMARKS: This firm has been in continuous operation for the past 13½ years in Billings. The president has been manager for the

same period and president since November 1952 and has 27 years experience in the construction industry and 16 years in the millwork and fixture business. The plant superintendent has been in millwork operations for approximately 30 years. The eight workmen on production have a total of 98 years experience in the construction industry and a total of 72 years experience in millwork.

COMPANY OFFICIAL:	John A. Weinschrott President	Phone: 248-6597 Area Code - 406

FIRM: TIMBERWELD MFG.
Box 1202
Billings, Montana Yellowstone County

INDUSTRY CLASSIFICATION: 2433 - Prefabricated Wooden Buildings and Structural Members

PRODUCTION CAPABILITIES: Timberweld is primarily equipped for the fabrication of glue laminated beams and trusses with facilities for engineering, testing, and quality control. Timberweld also supplies wood decking, dimension lumber, plywood, and corresponding connecting hardware.

EQUIPMENT: 250 foot glueing press for clamping straight and curved beams, 60" planer for surfacing beams up to 60" wide, automatic scarfing machine, 24" cut-off saw, edge patching machine, glue spreader, 2 fork lifts and 2 tractor-semis for material handling and transportation, miscellaneous hand and power tools and instruments for working and testing.

PRODUCTS: Commercial and Government: Laminated wood structural members; beams, arches, trusses, etc.

Desires to bid as a subcontractor for the above-named products.

EMPLOYMENT: Current - 20 Potential - 40

PLANT SPACE: 42,000 square feet

REMARKS: This firm is very interested in bidding on any government laminated wood contracts. They are equipped and prepared to meet any government specification for laminated wood.

COMPANY OFFICIAL: K. L. Davenport Phone: 252-7119

MAJOR GROUP 25: FURNITURE AND FIXTURES

FIRM: TYPE-WRITE DESK MFG. CO., INC.
725 Ronan Street
Missoula, Montana Missoula County

INDUSTRY CLASSIFICATION: 2521 - Wood Office Furniture
2522 - Metal Office Furniture

PRODUCTION CAPABILITIES: Complete facilities for line production of flat wood products, spray booth equipment for production painting and finishing, small piece machinery for fabricating metal folding legs, complete facilities for metal cutting, drilling and arc welding.

EQUIPMENT: 2-36" wood cutting band saws; 1 panel saw for cutoff; 1-24" band saw; 2-12" disc sanders; jointer; 4 heavy drill presses; 1-gang drill press; 2 Kalamazoo metal cutting band saws; arc welder; 300 lb. compressor and complete pot-type 4 gun spraying set up; blowers and ventilators; automatic screwdrivers and nut runners; pneumatic stapling machine; tubing bender machine.

PRODUCTS: Typing stands and desks, multi-purpose portable tables; portable sewing machine tables.

Desires to bid as a Prime or Subcontractor for the above mentioned items.

EMPLOYMENT: Current - 17

PLANT SPACE: 11,300 square feet.

COMPANY OFFICIAL: Kenneth A. Blevins Phone: Lincoln 9-1466
President

FIRM: MIDWEST CABINET COMPANY
2010 Hallowell Lane
Billings, Montana Yellowstone County

INDUSTRY CLASSIFICATION: 2541 - Wood Partitions, Shelving, Lockers, and Office and Store Fixtures.

PRODUCTION CAPABILITIES: Cutting and machining, mouldings, window and door frames, cabinets, counters, doors, crates, boxes, and pattern work.

EQUIPMENT: 2-12" table saws; 3-10" table saws; 2-8" table saws; 1-16" radial-arm saw; 1-12" jointer; 3-6" jointer; 3 shapers; 2-12" planers.

PRODUCTS: Casings, base, door-frames, counters, doors, cabinets, treads and risers.

Desires to bid as a subcontractor for the above named items.

EMPLOYMENT: Current - 12 Potential - 16

PLANT SPACE: 7200 square feet.

COMPANY OFFICIAL AND TITLE: Orville I. Stene
Owner
Phone:
252-7122

MAJOR GROUP 34: FABRICATED METAL PRODUCTS, EXCEPT ORDNANCE, MACHINERY AND TRANSPORTATION

FIRM: BUTTE BRASS AND CONTROLS COMPANY
923 Oregon Avenue, Box 518
Butte, Montana
Silver Bow County

INDUSTRY CLASSIFICATION: 3362 - Brass, Bronze, Copper, Copper Base Alloy Castings. Note: Major Group 33. Primary Metal Industry.
3432 - Plumbing Fixtures and Trim (Brass Goods)
3494 - Valves and Pipe Fittings

PRODUCTION CAPABILITIES: Brass foundry capable of turning out five tons per day; brass water control valves, gas central and safety valves, pressure regulators for commercial and industrial use, and plumbing and drainage fittings.

EQUIPMENT: Automatic shell moulding machine; 2 large chuckers capable of 10-20 second operations; large number turret lathes; automatic brass fitting machines; total machines, 60.

PRODUCTS: Prefabricated plumbing supplies; brass water control valves, gas central and safety valves, pressure regulators for commercial and industrial use, and plumbing and drainage fittings.

Desires to bid as a Prime or Subcontractor of the above named products.

EMPLOYMENT: Current - 30

PLANT SPACE: 22,000 square feet

COMPANY OFFICIAL: Tim J. Sullivan Phone: 729-5496
President

FIRM: RYNIKER STEEL PRODUCTS COMPANY, INC.
Box 1932
Billings, Montana Yellowstone County

INDUSTRY CLASSIFICATION: 3433 - Heating Equipment, Except Electrical
3499 - Fabricated Metal Products, Not Elsewhere Classified.

PRODUCTION CAPABILITIES: Ryniker is equipped to produce all types of fabricated metal products, including furnaces, fittings, copper fabrication, metal finishing, punching, panels, gaskets, cans, aluminum and steel lockers, cabinets, chassis assemblies, and forming of small parts.

EQUIPMENT: 10 pickup trucks or panels, 1/2 ton; press brake-Dreis & Krump #8L10-power operated; press brake-Whitney Jensen #247-power operated; rivet machine-Tubular Rivet & Stud #81-J; power press-50 ton; power press-35 ton; power press-12 ton; pneumatic press 18 ton; acetylene gas generator and welding equipment; arc welding generator and welding equipment; spotwelder-10KVA; pedestal drill; air compressor; 2-sheet metal forming brake, 8'; sheet metal forming brake 5'; sheet metal folder, 36"; sheet metal folder, 30"; sheet metal folder, 24"; powered sheet metal rolls, 48"; sheet metal rolls, 36"; sheet metal rolls, 30"; elbow machine-Engles Model C; power shear-Wysong & Miles #816; slitting shear, 36"; squaring shear, 30"; lathe; power hack saw; band saw, Do-all V-36; pedestal grinder-dual head; 2 platform scales; crimpers, beaders, edgers, pipe seamers; 2 lockformers, 22 gauge; cleatformer, 22 gauge; power flanger, 22 gauge; pneumatic duct notcher; power circle cutter, 36" radius; pneumatic gang punch; paint spray booth-filter and exhaust system;

paint baking oven-gas fired; paint spray tanks and guns; 2-Drive It stud guns; pipe rolling machine, Fallsington Model PR-60; lockformer, snap lock pipe machine; high pressure vacuum cleaner, truck mounted; boom type hoist, trailer mounted; motor generator, trailer mounted; arc welding unit.

Engineering and Test Equipment: Verifax photo copier; Rex-O-Graph duplicator; drafting layout table and equipment; Marchant calculator; gas-analyzer, Orsat-Hays Co.; gas glow test meter, American Meter Co.; electric pyrometer, Fahrenheit-Brown Instrument Co.; Alnor Velometer, Illinois Testing Laboratory; carbon monoxide tester, Mine Safety Appliance Co.; Manometer, F. W. Dyer Co.; Anemothern Electronic Air Meter.

PRODUCTS: Government: Panels for tank retrievers, Pacific Car and Foundry; Neoprene gaskets, U. S. Chemical Warfare; metal cans, gallon size, quartermaster supply; aluminum and steel clothing lockers; first aid cabinets; wire loading pallets; rocket and bomb sub-assemblies; metal tags; metal stampings for folding cots; ammunition boxes; practice bomb fins; automatic stamping and forming small parts.

Commercial: Gas fired forced air furnaces, trade name, American; aluminum vent caps, trade name, Strato Cap; warm air installation fittings; custom duct work, installation fittings; stainless steel fabrication; copper fabrication; metal finishing, spray painting and baking; punching, die making, welding, press forming, drawing.

Desires to bid as a Prime or Subcontractor for the above products.

EMPLOYMENT: Current - 28 Potential - 60

PLANT SPACE:

Plant area	- 12,000	Storage area - inside	1,800
Office area	- 1,500	Storage area - outside	36,000

REMARKS: Insulated steel building on concrete slab.

All buildings new in 1955.

W. E. Ryniker, President, founded the firm in 1908 and has been actively engaged in the business up to and including the present time. W. H. Ryniker, Vice-President, Mechanical Engineer, Montana State College, qualified engineer and designer of gas heating equipment, has been associated with the firm for over 28 years. H. C. Ryniker, Secretary-Treasurer, Architectural Engineering, University of Illinois, is experienced in drafting, layout, estimating and sales and has been with the firm for over 18 years. The key personnel have an average tenure of over 10 years and are all family men, home owners, and qualified in their specialties and, generally, in their trade.

COMPANY OFFICIAL: W. E. Ryniker, President Phone: 252-3836

FIRM: ANDERSON ROOFING AND SHEET METAL
P. O. Box 382
Glasgow, Montana Valley County

INDUSTRY CLASSIFICATION: 3444 - Sheet Metal Work

PRODUCTION CAPABILITIES: This firm is equipped with complete facilities to fabricate and install all kinds of roofing (built-up, shingles), and to do general sheet metal work and heating-ventilating sheet metal work.

EQUIPMENT: 1-500 gallon roofing kettle with pump; 1-300 gallon kettle; 2-160 gallon kettles; 16 gauge mild steel slitting shears; 10' hand brake; 8' hand brake; lock framers; crimpers; other miscellaneous equipment to handle sheet metal items.

PRODUCTS: General and heating-ventilating sheet metal work.

Desires to bid as a Prime or Subcontractor for roofing and sheet metal work.

EMPLOYMENT: Current: 14 Potential: 25

PLANT SPACE: 6,000 square feet.

COMPANY OFFICIAL: Robert E. Loper Phone: 228-9024
Assistant Manager 228-8514

FIRM: EATON METAL PRODUCTS COMPANY
501 North 18th Street
Billings, Montana Yellowstone County

INDUSTRY CLASSIFICATION: 3444 - Sheet Metal Work

PRODUCTION CAPABILITIES: This firm has fabricated all types of above ground and underground storage tanks from 50 to 50,000 gallons under Underwriters Label, ACME Code, and AWWA specifications. Eaton has done sheet and plate engineering and fabrication including plate galvanizing and corrugated types of material and has manufactured corrugated metal pipe and any special fabrication. Eaton has done considerable work for the U. S. Army Corps of Engineers on many Air Force Bases, and has done considerable work on the different types of Missile Bases.

EQUIPMENT: Eaton's equipment includes several types of brakes from 30 ton capacity down to the smaller types, large rolls to accommodate 5/8 material and smaller rolls for lesser gauge material, 3-shears from 5/8 material down to smaller gauge material, approximately 35 welding machines which include submerged arch and sigma-arch machines, 50 ton overhead crane in tank building, 3 other overhead cranes all power operated, four punches, 3 riveting machines, hot asphalt dipping vat, pipe arching machine, 4 loading and unloading pieces of equipment on wheels and all other miscellaneous drills, grinders, etc. that go with metal working.

PRODUCTS: Government and Commercial: Tanks, all types; Underwriters Label Code and ASME code, large and small. Also corrugated metal pipe.

Desires to bid as a Prime or Subcontractor for the above named items.

EMPLOYMENT:	Current - 65	Potential - 150
PLANT SPACE:	40,000 square feet	
COMPANY OFFICIAL:	Thomas R. Lux MANAGER	Phone: 252-0101

FIRM: TREASURE STATE METAL PRODUCTS, INC.
P. O. Box 1132
Missoula, Montana Missoula County

INDUSTRY CLASSIFICATION: 3229 - Pressed and Blown Glass and Glassware, Not Elsewhere Classified. Note: Major Group 32
3461 - Metal Stamping
3479 - Coating, Engraving, and Allied Services, Not Elsewhere Classified.

PRODUCTION CAPABILITIES: The firm is equipped for the following operations: aluminum degreasing, cleaning, etching and chromate conversion coating; shearing of 16 gauge steel, metal punching, notching and drilling; gas, arc, and T.I.G. welding facilities for all types of metals except exotic; complete facilities for metal preparation, spraying, and baking of enamels; facilities for silk screen printing; complete facilities for preparation and finishing of porcelain enamel on aluminum, including architectural designs, extrusions, and flat sheet; complete curtain wall panels are manufactured for installation in building framing; glass blowing facilities for neon tubing; facilities for erection and service in the field up to 55 feet high.

EQUIPMENT: 1-4' wide laminating pinch roller; 1-power band saw; hand tools; 22' pickling tanks; lab equipment; hand spray equipment; automatic spray equipment; ball mills; 1-lab furnace, electric; 1-10' batch oven, gas fired; 1-30' continuous gas fired radiant tube furnace; silk screen equipment; 1 complete neon glass shop; 3-A.C. arc welders, from 180 to 300 amps; 1-300 amp. TIG welder; 1-gas welder; 1-20KVA spot welder; 1-4 ton press brake; 1-45 ton press brake; 1-10' hand brake; 1-4' finger brake; 1-6'

power shear; 1-10' power shear; 1-24 gauge lock former with slitting attachment; 1-drill press; art and drafting facilities; chemical quality control laboratory.

PRODUCTS: Government: Baked Enamel Signs
Commercial: Curtain wall panels; architectural extrusions, metal signs, painted outdoor advertising, metal boxes and frames, housings, etc., plastic signs and porcelain signs.

Desires to bid as a Prime or Subcontractor for the above named products.

EMPLOYMENT: Current - 19 Potential - 65

PLANT SPACE: 11,000 square feet

REMARKS: Treasure State Metal Products, Inc. is located on a Northern Pacific Railroad spur and is serviced by all the major truck lines. The plant is equipped with complete facilities for metal products, engineering and development.

COMPANY OFFICIAL: James E. Kelly Phone: 543-7136
General Manager

MAJOR GROUP: 35 MACHINERY, EXCEPT ELECTRICAL

FIRM: B & H WELDING AND MACHINE
C/B Route
Glendive, Montana Dawson County

INDUSTRY CLASSIFICATION: 3591 - Machine Shops, Jobbing and Repair.

PRODUCTION CAPABILITIES: Welding, fabricating, general machine and repair work, tool joint and pipe treading.

EQUIPMENT: 1 - Lehmann hydratool lathe, 26" chucks, hollow bore, 12" hole in spindel, approximately 15' bed; 1 - LeBlond regal lathe, 18" chuck, 10' bed; 1-20" shaper; 1-36" Cincinnati drillpress, post-type; 1-300 amp. Hobart welder, stationary; 1-250 amp. Lincoln welder, stationary; 3-250 amp. Lincoln welders, mounted on trucks; 1-250 amp. Lincoln portable mounted on trailer; misc. nand tools, grinders, drills, etc.

PRODUCTS: General repair work, fabrication to order. Desires to bid as a Prime or Subcontractor on machine shop products.

EMPLOYMENT: Current - 7

REMARKS: Definitely interested in any type of production work and would welcome the opportunity to expand facilities.

COMPANY OFFICIAL: Donald E. Herron Phone: 365-3423
Partner

FIRM: BADGLEY MACHINE WORKS
112 W. Lamme
Bozeman, Montana Gallatin County

INDUSTRY CLASSIFICATION: 3591 - Machine Shops, Jobbing and Repair

PRODUCTION CAPABILITIES: Badgley Machine is equipped for manufacture of various metal products requiring turning, grinding, stamping, and development work.

EQUIPMENT: 2 punch presses, 5 and 25 ton; lathes, 9" to 22"; hydraulic control lathe; small miller; surface grinder; shaper; heat treating furnaces; welders.

PRODUCTS: Government: Valves, fire control instrument parts, and 40 mm cannon parts.

Commercial: Tools, farm machinery, job shop items, and electrical meat processing equipment and cutters.

Desires to bid as a Prime or Subcontractor on machine shop products.

EMPLOYMENT: Current: - 2 Potential - 25

REMARKS: Badgley Machine is particularly interested in development work.

COMPANY OFFICIAL: C. F. Badgley
Owner
Phone: JU6-5173

FIRM: GLENDIVE MACHINE WORKS
110 West Benham
Glendive, Montana Dawson County

INDUSTRY CLASSIFICATION: 3591 - Machine Shops, Jobbing and Repair.

PRODUCTION CAPABILITIES: Glendive Machine is operating strictly as a job shop at present.

EQUIPMENT: Lathes, milling machines, shaper, presses, boring machines, metallizing equipment, etc.

PRODUCTS: Job Shop Products.

Desires to bid as a Prime or Subcontractor on machine shop products.

EMPLOYMENT: Current - 6 Potential - 16

PLANT SPACE: 5,200 square feet

COMPANY OFFICIAL: Marten Zinniel Phone: 365-3590
Owner

FIRM: HALL MACHINE COMPANY, INC.
301 North 20th
Billings, Montana Yellowstone County

INDUSTRY CLASSIFICATION: 3591 - Machine Shops, Jobbing and Repair

PRODUCTION CAPABILITIES: General machine shop production; welding of most metals; boilers and related piping; metal rolling.

EQUIPMENT: 7 lathes, 2 milling machines, 1 surface grinder, 3 shapers, 3 hack saws, 4 drill presses, 1 radial drill, 1 metallizer, 2 metal cutting band saws, 1-250 ton press, 2-50 ton presses, 1 power brake, 1 power rotary shear, 2 sheet rollers of 8 ft. capacity, 9 welding machines.

PRODUCTS: Any general machine shop product.

Desires to bid as a Prime or Subcontractor for machine shop products.

EMPLOYMENT: Current - 7 Potential - 20

COMPANY OFFICIAL: D. S. Hall
Vice-President
Phone: CH 5 -4832

FIRM: INDUSTRIAL MACHINERY COMPANY
1029 South 3rd West
Missoula, Montana Missoula County

INDUSTRY CLASSIFICATION: 3591 - Machine Shops

PRODUCTION CAPABILITIES: This is a new establishment with facilities for producing all types of machine shop products.

EQUIPMENT: 1-12" x 36" swing lathe; 1-15" x 60" swing lathe; 1-19" x 78" swing lathe; 1-27" x 144" swing lathe; 1-35" x 31' centers lathe; 1-62" x 26' centers lathe; 1-100 x 90" table vertical boring mill; 1-3" bar x 60" travel on table horizontal boring mill; 1- No. 2 universal mill; 1- No. 1 OB & S tool and cutter grinder; 1- No. 1½ vertical milling machine; 1- No. 3 x 36 B&S gear cutter; 1- No. 5 x 60" B&S gear cutter; 1- 15" x 72" Landis Universal grinder; 1-75 hydraulic shop press; 1- 500 ton 90" wheel press; 1- 24" x No. 4 Morse taper drill press; 1- 60" radial drill; 1 - Metallizing outfit consisting of E gun, Y gun 34" swing raised lathe for metal spraying; 1-20-24 G&E shaper; 1- No. 3 Mitts & Merrill Keyseater; 1 - Davis Keyseater; 1- 20 x 20 x 46" 200 to 2000 degree heating oven; 1 - 24 x 30 x 10 ft. planer; have considerable tooling for the above named machines.

PRODUCTS: Machine Shop Products.

Desires to bid as a Subcontractor on machine shop products.

EMPLOYMENT: Current - 5

PLANT SPACE: 9,000 square feet

COMPANY OFFICIAL: J. H. Van Allen Phone: Lincoln 9-6168
President

FIRM: YELLOWSTONE HYDRAULICS
AND MACHINE
P. O. Box 1624
Billings, Montana Yellowstone County

INDUSTRY CLASSIFICATION: 3591 - Machine Shops, Jobbing and Repair

PRODUCTION CAPABILITIES: Firm is equipped with complete facilities for heat treating, aluminum casting, vertical and horizontal milling, honing and lapping, chrome plating, painting, processing and packaging.

EQUIPMENT: 4 lathes, 9" to 68"; 5 grinders, 12 x 20 surface, 8 x 10 internal, 4" x 20' centerless, $3\frac{1}{2}$ x 10' centerless, 10 x 36 center external; mill, 2A Cleveland; shapers; planers; heat treating; drill presses; welders; automatic pantographs; hydraulic test stands; cylinder honing and lapping equipment.

PRODUCTS: Hydraulic hayloader, hydraulic cylinders, hydraulic power units, hydraulic elevators.

Desires to bid as a Prime or Subcontractor for machine shop products.

EMPLOYMENT: Current - 6 Potential - 25

PLANT SPACE: 5,500 square feet

COMPANY OFFICIAL: L. L. Merry
President
Phone: 259-1175

MAJOR GROUP 36 ELECTRICAL MACHINERY, EQUIPMENT AND SUPPLIES

FIRM: MONTRONICS, INC.
1212 West Main Street
Bozeman, Montana Gallatin County

INDUSTRY CLASSIFICATION: 3611 - Electric Measuring Instruments and Test Equipment
3622 - Radio and Television Transmitting, Signaling and Detecting Equipment.

PRODUCTION CAPABILITIES: Montronics is equipped for the complete research, development, engineering, production and quality control of products in the electronics instruments field; capable of doing printed circuitry work and have extensive experience in the design and manufacture of communications equipment, both HF and VLF. The close proximity to Montana State College makes the utilization on a consulting basis of the many specialists in various fields of activity there an economic possibility. Many of the laboratory facilities of the college can be utilized by Montronics on a lease basis. This includes such equipment as digital and analog tape recorders, computers and many other types of specialized test equipment. Montronics does its own metal finishing, painting, engraving, sheet metal forming, etc. In the near future Montronics will be equipped to do high precision machine and fabrication work on electromechanical devices.

EQUIPMENT: Sheet metal shears, punches, brakes, band saws, precision lathes, grinders, buffers, and many hand tools, refrigeration units and ovens for environmental testing. Electronic Equipment: Q meters, frequency standards, RX meters, oscilloscopes, signal generators, oscillators, HF and VLF receivers, volt meters, VTVM's, ohm meters, ammeters, counters, various types of

power supplies and many other types of laboratory testing equipment. Oscilloscopes: 1 Hewlett-Packard, 130-A; 1 Tektronix 535; 1 Tektronix 53/54-B Wide Band Preamplifier; 1 Tektronix 53/54-C Dual Channel Preamplifier; 6 Tektronix 515-A; 2 Tektronix 541; 1 Tektronix 53/54-A Fast Rise Time Preamplifier. Meters: 2 Hewlett-Packard 400-D VTVM; 15 Hewlett-Packard 410-B VTVM; 1 Boonton 250 RX Meter; 2 Boonton 260-A, Q Meters; 2 Measurements Corp. 59 Megacycle Meters; 1 Ballantine 320 True RMS Voltmeter; 2 Millivac MV-18c Millivoltmeters w/probes; 1 Beckman-Shasta, 101, Expanded Scale VTVM; 1 Boonton, 190-A, Q Meter; 1 Hewlett-Packard, 500-B/C, Frequency Meter; 1 Hewlett-Packard, 415-A, Standing Wave Meter; 1 Hewlett-Packard, 411-A, R.F. MV Meter; 1 Hewlett-Packard, 412-A, DC VTVM. Waveform, Signal and Noise Generators: 1 Tektronix, 162, Waveform Generator; 2 Tektronix, 161, Pulse Generators; 8 Hewlett-Packard, 200 CD, Wide Range Oscillators; 1 General Radio, 1390-A, Random Noise Generator; 1 Hewlett-Packard, 608-D, VHF Signal Generator; 2 Measurements Corp., 65-B, Standard Signal Generators; 1 Hewlett-Packard, 202-A, IF Function Generator; 5 Hewlett-Packard, 606-A, HF Signal Generators; 1 Kay, 240-B, Mega-Node Noise Generator; 1 Dymec, DY-2200, Sweep Oscillator; 1 Kay, SKV, Ligna Sweep Oscillator. Power Supplies: 1 Tektronix, 16-A; 7 Lambda, C-281-Regulated; 3 Lambda, 28, Regulated; 1 Perma-Power, A-400, Transistor; 8 Hewlett-Packard, 721-A, Transistors; 1 Lambda C-280; 1 Lambda, 28, Regulated; 1 Montronics, Constructed Lab Supply $\pm$ 12 vdc 20 A. Attenuator Sets: 3 Hewlett-Packard, 350-B, Attenuators; 2 Daven, RFB 540-50 Attenuators; 2 Daven, RFB 541-50, Attenuators; 2 Hewlett-Packard, 355-A, VHF Attenuators; 4 Hewlett-Packard 355-B, VHF Attenuators. Other Electronic Equipment: 2 Hewlett-Packard, 523-B, 1 mc Electronic Counters; 1 Hewlett-Packard, 450-A, Gen-

eral Purpose Amplifier; 1 Ampex, 350-C, Tape Recorder; 1 Marconi, TE 868/1, Universal Bridge; 2 Boonton, 564-A, Coupling Transformers; 2 Hewlett-Packard, 524-D, Counters 10 mc; 2 Hewlett-Packard 525-A, Converters 100 mc; 2 Collins, 51J, Receivers; 1 Hewlett-Packard, 560-A, Digital Recorder; 1 Ampex, 601, Portable Tape Recorder; 1 Ampex, 620, Amplifier-Speaker; 1 Sola, Regulating Transformer; 1 General Radio, 1419-A, Decade Capacitor; 1 General Radio, 874-IA, Adjustable Line; 1 Tektronix, 121, Preamplifier; 1 Hewlett-Packard, 196-A, Oscilloscope Camera; 1 Hewlett-Packard, 100-ER, Frequency Standard; 1 A. B. Dick, 110, Photocopy Machine; 1 Hewlett-Packard, 452-A, Capacitive Voltage Divider; 1 Collins, 40K-1, Frequency Standard; 1 Pacific Combustion Engrg, OV-490, Blue M. Oven; 1 Rustrak, A, Recorder; 2 Superior, 3PN116, Variac 0-140 VAC 7.9 amp.; Chambers. Major Shop Equipment: 1 Presto, 137-K, Shear; 1 Pexto, PX24-A, Pan Box Brake; 1 Rotex, 13183 18-A, Turret Punch; 1 Rotex, Heavy-Duty Stationery Stand; 1 Rockwell-Delta, XMJ62E, Drill Press Motor; 1 Rockwell-Delta, 152-12, Drill Press; 1 Rockwell-Delta, 28-365, Band Saw; 1 Coil Winding Equipment Co., W, Coil Winding Machine; 1 New Hermes, 1-R, Engraving Machine and Cutters; 1 New Hermes, 180-N, Master Copy Type; 1 Useco, A, Swaging Machine and Tools.

Precision Equipment:

Quantity	Model	Description	Range	Accuracy
Frequency				
5		Quartz Frequency Standard	5mc,1mc @ 100kc	$2x10^{10}$
1	HP-100 ER	Quartz Frequency Standard	1mc	$3/10^{8}$
1	GR-1304 B	Heterodyne Audio Generator	20 -40,000 cps	1%
2	HP-523 B	Frequency Counter	0 - 1 mc	$1/10^{5}$
2	HP-524 C	Frequency Counter	0 - 10 mc	$5/10^{8}$
Resistance				
1	L & N 4753	Guarded Wheatstone Bridge	.01 ohm to 100 megohm	.05%
			100 megohms to 1111 megs.	5%
6	GR 1432	Resistor Decade	.01 ohm to 1 megohm	.05%
1	ERL	Resistor Decade	.1 megohm to 1000 megms.	1%

Precision Equipment: (continued)

Quantity	Model	Description	Range	Accuracy
Impedance				
1	GR 1650 A	Impedance Bridge	.001 ohm to 1 megohm	1%
			1 pf to 1000 uf	1%
			1 uh to 1000 h	1%
1	GR 916	RF Bridge	.4 to 60 mc	1%
1	Marconi 868B	Universal Bridge	.1 ohm to 100 megohms	1%
			1 pf to 100 uf	1%
			1 uh to 100 h	1%
Voltage				
1	ERL	AC-DC Voltage Calibrator	0 - 300 v	.5%
1	L&N 7552	Potentiometer		
Pressure				
1	Ashcroft	Dead Weight Tester	0 - 1000 psi	.5%

PRODUCTS: Government: A number of frequency synthesizers, an auto-tune receiver, a rf transformer, a single sideband exciter, a strip receiver, an ionosphere sounder synthesizer, an auto-tune memory, a millisecond-tuned receiver, a sideband converter, a transistorized four-channel HF transceiver, and a six-channel exciter. Commercial: A synchronized frequency standard utilizing an oscillator disciplined by a VLF receiver, a frequency comparator by which frequency difference multiplication provides 1 part in 10" frequency comparison between a standard and a test frequency in a short time, an ac ohmmeter for measurement of soil moisture. At the present time Montronics is developing other commercial proprietary products for the communications equipment field. Services: Research experience includes studies and projects in meteor burst communication, Doppler data, speech articulation, frequency error multiplication, differential light measurements, atomic resonance measurements, modulation theory and techniques, single sideband studies and a formal theory of generalized multiple-output binary comina-tional networks. Quantities Produced: Government, for each of the products, 1 to 5 was produced. Commercial, 12 frequency Comparators per month, 12 Synchronized Frequency Standards per month, 15 soil moisture Ohmmeters per month.

Company desires to bid as a Prime Contractor for engineering and consulting services in the communication and electronics field; applied research and development; design and manufacture of sophisticated operational communications and frequency standard equipment; an evaluation, calibration, repair and certification of precision measuring equipment; and as a Subcontractor in the following areas: Montronics field engineering team can provide the customer with engineering, consulting, installation, and field testing services. This team is currently working on the testing and evaluation of the Minuteman cable installation. Montronics Precision Measuring Equipment Laboratory is equipped to repair, calibrate, evaluate, and certify precision measuring equipment for voltage, resistance, frequency, and pressure with traceability to the National Bureau of Standards. A complete receiving and transmitting field site facility is available to Montronics for communication system checkout and testing.

EMPLOYMENT: Current: 70, of which 35 are in the Engineering Department; 16 have advanced degrees. Maximum potential with existing facilities: 100.

PLANT SPACE: 12,000 square feet of clean, air-conditioned space in two buildings.

REMARKS: Montronics was founded as a corporation in January of 1961, and during the year 1961 drew approximately $250,000 in gross business of which 80% was government business.

PERSONNEL: Stanaway, Robert E. - Director and President Holds a BS ME from the California Institute of Technology and also attended

Stanford Law School; and joined Montronics in 1961. He was associated with Elkhart Products Corporation as Chief Engineer and Assistant Plant Manager, Consolidated Electrodynamics Corporation as a Senior Supervisory Development Engineer, Consolidated Electrodynamics Corporation as a Manager; Fairchild Controls Corporation as Manager of the West Coast Division.

Erps, Floyd D. - Director and Chief Engineer Holds a BSEE and a MSE from Montana State College. Experience includes study and evaluation of scintillation radiation detectors for General Electric; teaching, research, design, and development of communications equipment and frequency synthesizer with the Electronics Research Laboratory at MSC.

Bennett, Byron J., Dr. - Director and Consultant Received his BSEE from Texas Technological College, his MSEE and Ph.D in EE from Stanford University and worked as a Test Engineer for General Electric, as a Research Engineer with Philco, an Instructor at Temple University and Associate Professor at Texas Technological College; managed the Computer Laboratory at Stanford Research Institute, and Advanced Technology for IBM Production Development. He has been Electrical Engineering Department Head at MSC since September 1960, and has had two articles published.

Colvin, Hugh F. - Director Specializes in financial management and is a management consultant in Pasadena, California. He is also a director of Unitek Corporation, Reed & Reese, Inc., American Systems, Inc., Pallas Corporation, and Chemical Materials Corporation; and received his BS in Chemistry at the California Institute of Technology, and a MBA from Harvard.

Parker, Robert L. - Director Received a BA in Chemistry from Occidental College and a LLB from Loyola University, and is the senior partner in a patent law firm in Pasadena, California. He is also a director of Datex Corporation, Chemical Engineers, Unitek, and Relton Corporation.

Johnson, Keith P. - Director Member of the firm of Johnson and Johnson, Butte, Montana, received both his AB and LLB from Montana State University.

Weaver, Donald K., Jr. - Director Received a BSEE from Stanford University, a MSEE and Ph.D in EE from Stanford. He served as Senior Research Engineer with the Stanford Research Institute; consultant to Stanford Research Institute; is the Director of the Electronics Research Laboratory at MSC. He is a professor of EE at MSC and specializes in network theory, communication theory and communications systems and components. Sixteen of his articles have appeared in major publications and he holds two U.S. patents.

Adami, Henry C., Jr. - Secretary, Controller, Security Officer Has a BS in Mining Engineering from the University of Idaho, a BS in IE from the University of Washington, an LLB degree from MSU and has done graduate work in law at New York University. His experience includes service as a field engineer, as an attorney, and as business office manager.

Leo, Robert E. - Staff Engineer Received a BSEE from California Institute of Technology and a MSEE from Stanford. He worked with the Gatti-Hallicrafters Expedition, and with the Arabian-American Oil Company; served as Research Engineer with Stanford Research Institute and as Senior Design Engineer and Project Engineer with the G.E. Computer Department. He is Assistant Professor of EE and Research Associate with the Electronics Research Laboratory at MSC. He has written three articles and 28 trip reports on a European Computer Survey.

Weeks, Richard W. - Staff Engineer Received a BS in Physics from California Institute of Technology and a MS in Electronics from Stanford, and has done work on a Ph.D in EE at MSC. He served as an Associate Engineer with IBM, as an Associate Professor Electrical Engineering at San Jose State College, as an Engineering Consultant on Electro-Optics for the Optronics Corporation, as a Development Engineer with Pick Laboratories and as an Engineering Consultant to Trans-Ocean Airlines, IBM and others. He has had ten articles published.

Acton, Ernest R. - Buyer Attended Northwestern College, Eastern Montana College and MSC. His past experience includes two-way radio installation and maintenance, parts manager for International Harvester dealer, and electronics technician.

Cok, Steven P. - Research Engineer Holds a BSEE and MSEE from MSC. Experience includes research, design and development in propagation and communication for the Electronics Research Laboratory of MSC.

Edwards, C. P. - Engineering Section Manager Professional experience in tape and disc recording; communications supervisor for the U.S. Forest Service and the Montana State Highway Department, chief engineer of a radio station, engineer-in-charge of a closed circuit television station; research, design, and development of equipment for communications and related fields with the Electronics Research Laboratory at MSC and Montronics.

Giles, Raymond G. - Manufacturing Manager Attended Wentworth Institute, Northeastern University, and Citrus Junior College. Experience includes layout and detailed drafting with Waltham Watch Company and Pneumatic Scale Corporation, design drafting with Gillette Safety Razor Company and Telechron, Inc., and tool designing with Fort Worth Steel and Machinery; Design Engineer with Clifford Manufacturing Co., and Design Engineering Specialist for Consolidated Electrodynamics Corporation.

Hardison, Felix M. - Minuteman Project Coordinator Holds a BS in Geology and Mining from the University of Idaho and a MS in Earth Sciences from MSC. Served as a Colonel in the U. S. Air Force and as Professor of Air Science at MSC.

Hogan, Ralph T. - Engineering Section Manager Holds a BSEE and MSEE from MSC. Experience includes research, design, and development of communications equipment and frequency synthesizers with the Electronic Research Laboratory at MSC and Montronics.

Madden, Forrest H. - Research Engineer Holds a BSEE from MSC and is working toward a MSEE. Experience includes research, design and development of communication equipment and frequency synthesizers with the Electronic Research Laboratory at MSC and Montronics, Inc.

Marcotte, Kenneth E. - Engineering Section Manager Holds a BSEE and MSEE from MSC. Experience includes design and development of communication equipment, digital controlled automatic tuning systems, and magnetic memory systems with the Electronic Research Laboratory at MSC. and Montronics.

Myrick, Charles C. - Research Engineer Has a BSEE from MSC and is working toward his MSEE. Experience includes Assistant Power Plant Operator; Chief Engineer with a radio station; technician with the Electronics Research Laboratory at MSC and design and development of communications equipment with Montronics.

Wurst, Wilhelm L. - Engineering Section Manager Holds a BSEE and MSEE from MSC. Experience includes teaching, research, design and development of communication equipment with interests toward circuit design, servo mechanisms, and filter theory at the Electronics Research Laboratory at MSC and Montronics.

The staff is augmented by 10 Electronic Technicians, 6 Draftsmen, and others.

COMPANY OFFICIAL	Robert E. Stanaway Director and President	Phone: 587-4271

FIRM: TIMBER STATE ELECTRIC, INC.
28 2nd Aven. East
Kalispell, Montana Flathead County

INDUSTRY CLASSIFICATION: 3622 - Industrial Controls.

PRODUCTION CAPABILITIES: Firm is equipped and has the skilled personnel to engineer, develop, build and test special custom-built electrical controls. Also, using component parts, Timber State Electric assembles control equipment.

EQUIPMENT: Overhead hoists, drill presses, small tool equipment for assembly, lathes, layout benches, spray booths, bake ovens, electric welders, acetylene welders, and sanders.

PRODUCTS: Automatic starters, operators console, control panels.

Desires to bid as a Subcontractor for the above mentioned items.

EMPLOYMENT: Current - 9 Potential - 30

PLANT SPACE: 2,400 square feet.

REMARKS: By furtner development of the control department and the use of present skilled employees to train additional personnel for assembly and building of special electrical consoles, the slack periods caused by the ups and downs of the lumber industry would be removed.

COMPANY OFFICIAL: Edmond E. Anderson Phone: 756-208
President

MAJOR GROUP 37 TRANSPORTATION EQUIPMENT

FIRM: GULL FIBER PLASTIC PRODUCTS, INC.
Box 1412
Missoula, Montana Missoula County

INDUSTRY CLASSIFICATION: 3732 - Boat Building and Repair.

PRODUCTION CAPABILITIES: Gull Fiber is equipped to fabricate, mold, and build jiggs and dies in all phases of fiber-glass reinforced plastic, including radar domes, shelters, large component parts using the marriage of fiberglass, wood, etc. and die making for any fiberglass reinforced components.

EQUIPMENT: All hand grinding tools for shaping and fabricating molds, dies, and jiggs of fiberglass reinforced products; a Peterson automatic spray gun which sprays two catalysed resins and fiberglass simultaneously; presses, welding, and mechanical hand tools for small machine shop work.

PRODUCTS: Boats, swim pools, industrial coating of tanks, storage tanks.

Desires to bid as a Prime or Subcontractor on the above mentioned products.

EMPLOYMENT: Current: - 15 Potential - 30

PLANT SPACE: 14,400 square feet

REMARKS: With 11 years experience in the production of fiberglass components, Gull Fiber is equipped with personnel and engineering experience to coat, laminate, fabricate any materials or parts that need protective coating, including epoxies, polyesters, and a combination of epoxies and polyesters or fiberglass. We also can offer engineering services on any problems which may arise necessitating the use of plastic materials.

COMPANY OFFICIAL: Robert G. Anderson, Pres. & Gen. Mgr. Phone: 549-5313

MAJOR GROUP 38: PROFESSIONAL, SCIENTIFIC AND CONTROLLING INSTRUMENTS

FIRM: AMERICAN DENTAL MFG. CO.
1201 South 6th
Missoula, Montana Missoula County

INDUSTRY CLASSIFICATION: 3843 - Dental Equipment and Supplies

PRODUCTION CAPABILITIES: Manufacturing of small tools; plating nickel, copper, decorative and hard chrome; welding; machine work.

EQUIPMENT: Punch presses - 15 to 25 ton; 9 small production lathes; drill presses; power band saws; pickling and cleaning equipment and tanks; other numerous small tools.

PRODUCTS: Dental instruments, over 1 million yearly. Sharpeners, 250 yearly.

Desires to bid as a Prime or Subcontractor for the above mentioned items.

EMPLOYMENT: Current - 12 full time Potential - 30
4 part time

COMPANY OFFICIAL: R. W. Bryan Phone: 549-8882
Partner

MAJOR GROUP 39: MISCELLANEOUS MANUFACTURING INDUSTRIES

FIRM: ALLIED MANUFACTURING CORPORATION
135 East Mendenhall
Bozeman, Montana Gallatin County

INDUSTRY CLASSIFICATION: 3491 - Games and Toys, Except Dolls and Children's Vehicles.

3999 - Manufacturing Industries, Not Elsewhere Classified.

PRODUCTION CAPABILITIES: Allied Manufacturing is equipped for plastic injection molding; spray and dip painting; silk screening - photographic method; arc, gas and spot welding; metal working; electronic production capabilities; wood working; magnetizing.

EQUIPMENT: Plastic injection molding machine; lathes; box and pan brake; shears; rollers; arc welders; gas welders and cutters; spot welders; 40 H.P. water cooled air compressor and numerous smaller units; drill presses; 30" x 18" cut-off saw; table saw; shapers; routers; magnetizer; complete photographic facilities for silk screen, including arc, vacuum frame, darkroom, etc.

PRODUCTS: Magnetic toys and novelties; advertising novelties such as magnetic bulletin boards and magnetic typewriter erasers; solders, fluxes and anti-fluxes for the jewelry trade.

Desires to bid as a Prime or Subcontractor for products that fall within the firm's "capabilities" above.

EMPLOYMENT: Current - 18 Potential - 64

PLANT SPACE: 3,000 square feet

COMPANY OFFICIAL: W. J. Sullivan
President
Phone: 586-6726
586-6630

SECTION II

UNITS OF THE MONTANA UNIVERSITY SYSTEM WHICH SEEK

GOVERNMENT PROCUREMENT

RESEARCH AND DEVELOPMENT

PRIME AND SUBCONTRACTS

MONTANA SCHOOL OF MINES
BUTTE, MONTANA

AFFILIATION — One of the six units of the Montana State University System. The following departments desire Government Procurement Research and Development Contracts: Bureau of Mines and Geology, Chemistry, Metallurgy, Mineral Dressing and Physics-Mechanics-Electricity.

SPECIALIZED EQUIPMENT AND FACILITIES

Bureau of Mines and Geology: Laboratory space and equipment for research in minerals identification, mineral chemistry, and field research.

Chemistry: Laboratory space and equipment for experimental and research work in physical chemistry.

Metallurgy: Laboratory space and equipment for thermal, X-ray, microscopic, mechanical and electrical research on solids. Equipment for arc-smelting and extractive metallurgical research.

Mineral Dressing: Laboratory space and equipment for research in materials comminution, concentration, and surface properties.

Physics-Mechanics-Electricity: Laboratory space and equipment for research in electronics, and the physical properties of material.

RESEARCH AND DEVELOPMENT PROGRAMS

Bureau of Mines and Geology: Investigation of the occurrence of industrial minerals and ores; investigation of Montana clays and shales with respect to their chemical and mineralogical composition and worth; investigation of various mines and mineral deposits in Montana; and petroleum and ground water studies.

Chemistry: Physical chemistry research.

Metallurgy: Investigation of the thermodynamic properties of the FE-C-O solid system; dekinking of copper whiskers; the production of pure alumina from clay by pyrosulfate fusion and the pyrometallurgical processing of low grade titaniferous magnetite ores.

Mineral Dressing: Currently sponsored research concerns phosphate and beryllium ores and electrokinetics. Electrokinetics research deals with the electrical potential difference at the interface between two pnases containing ions, multi-poles and electrons. Practical application has been made in studies of the interfacial bond between an aggregate and either an asphalt emulsion or a paving asphalt.

Pnysics-Mechanics-Electricity: Currently the feasibility of breaking rocks electrically is being studied. The effect of high-frequency electric energy applied to rock fragments of various rock types has proven that this method of secondary-breaking is feasible.

PERSONNEL

Montana School of Mines:

Griffiths, Vernon	Physical metallurgy
Hahn, Walter C.	Thermodynamics, physical metallurgy
Kelly, Frank H.	Economics and sociology
McCaslin, John G.	Instrumentation, electronics
McGlashan, Donald W.	Materials processing
McLeod, Kenneth N.	Analytical and physical chemistry
Pinckney, Dale E.	Economics, psychology, and sociology
Smith, Ralph I.	Clays, extractive metallurgy
Young, Francis M.	Soils and materials testing

Bureau of Mines & Geology: 3 geological engineers, 2 geologists, and 2 technical assistants.

MONTANA STATE COLLEGE
BOZEMAN, MONTANA

AFFILIATION — One of the six units of the Montana State University System. The following departments desire Government Procurement Research and Development Contracts: Agriculture, Bacteriology, Biochemistry, Botany, Chemical Engineering, Chemistry, Civil Engineering, Electrical Engineering (including Electronics), Entomology, Genetics, Mathematics, Physics (including Statistics), Veterinary, Virology and Zoology.

SPECIALIZED EQUIPMENT AND FACILITIES

Agricultural Experiment Station: Laboratory space and equipment for research and development work.

Engineering Experiment Station: Laboratory space and equipment for research and development work.

Botany and Bacteriology: Extensive recording gas chromatographic equipment; Spinco centrifuge; Complete research laboratory equipment for microbial physiology and pathogenic microbiology; Tissue culture laboratory; Small animal rooms.

Chemical Engineering: Pilot plant for coke briquets ($100,000); Hydrotreating pilot plants - used for petroleum distillates, shale oil, pulp mill liquor and coal tar; Rotary kiln calcining pilot plant for oxidation reaction; Several well equipped research laboratories.

Chemistry: Complete X-ray defraction equipment; Extensive recording infra-red, ultra-violet and visual absorption spectrophometric equipment; Permanent magnet wide line nuclear magnetic resonance equipment; Emission spectrograph; Waldhof fermentor; Pilot plant for natural product research; Rudolph precision polarimeter; Extensive chromatographic equipment - column, thin sheet, paper and gas;

Well equipped radioisotope laboratory including gas flow counters; multichannel analyzers, 120 curie Cesium 137 source, liquid scintillation counter, etc.; several well equipped research laboratories.

Civil Engineering: Hydraulic laboratory equipped with two pumps cap 450 GPM at 90 ft. head and 1500 GPM at 40 ft. head; Tilting flume and other equipment for open channel studies; Wind tunnel cap 2700 cu. ft/ minute 4" x 2" throat, develops Mach 1 velocity; Facilities for laminar flow studies; 200,000 lb. Universal Testing machine; 300,000 lb. compression machine; Strain measuring equipment - 100 SR-4 gauge switching balancing units; Equipment for environmental tests on concrete.

Electrical Engineering and the Electronics Research Laboratory:

Complete facilities and personnel for propogation studies - particularly those employing meteor burst phenomena including laboratory space, field site automatically controlled antenna systems, receivers and transmitters to cover the 2-500 megacycle frequency range; Very low frequency 20 kcps receiving equipment; Frequency standard laboratory (frequency accuracies and stabilities to 1 part in 10^{10} per day); Calibration and certification laboratory for electronics equipment - traceability to National Bureau of Standards is maintained; Complete equipment and facilities for research and development in active and passive networks; Analog computor PACE TR-10 with equipment research in servomechanisms and servosystems; Portable laboratory mounted on a field truck for remote communications; Electro-acoustics laboratory - speech articulation test facility with accessory equipment for speech processing; Supplemental facilities for

support of research and development activities such as model shop, drafting facility, technical library, electronic parts stockroom.

Mathematics: IBM 1620 - 60K, 407 computor, accounting machine and extensive peripheral equipment housed in an air-conditioned computor laboratory.

Physics: High resolution spectroscopy and interferomety - 21 feet grating spectrograph in double pass mounting, 3-prism Steinheil spectrograph, several smaller spectrographs, precision interferometer plates and mountings, and evaporating systems; Liquid air machine (Phillips 5-liters per hour); Pulsed neutron generator (Texas Nuclear) water moderated sub-critical assembly, considerable nuclear instrumentation; Vacuum system and differentially-pumped bombardment chamber now being used for the measurement of excitation functions for molecular spectra produced by electron bombardment. Can be adapted to a variety of problems in atomic and molecular physics; Several research laboratories and a well equipped machine shop with full time machinist-technician.

Veterinary Research Laboratory: Separate research laboratory about 30,000 sq. ft. with complete facilities for diagnosis of animal diseases and research on special phases such as Bacteriology, Virology, Physiology, Pathology, Biochemistry, Cardiovascular research equipment; Includes a medical illustration unit and a large technical departmental library.

Zoology and Entomology: Complete climate controlled large growth chamber and several small growth chambers; Extensive equipment for histological and histochemical research; Extensive physiological equipment for study of enzymic and hormonal systems - (animal); Two large controlled environment fish tanks; Several well equipped laboratories for physiological, embryological, histological, genetic and entomological research.

Botany and Bacteriology: Microbial physiology - special emphasis on cellulose degradation; Anaerobic bacteria - particularly their pathogenic action; Microbial flora of the human body; Food and water sanitation and decontamination of surfaces; Microbial and yeast physiology; Soil microbiology (sulphur oxidizing bacteria); Transplantation and cancer immunity; Animal and bacterial viruses; Hydrobiology and limnology; Mechanisms of fungal and rust diseases; Plant viruses; Physiology of aquatic plants; Terrestrial and plant ecology.

Chemical Engineering: Production of coke-like briquets from Montana's non-coking coal deposits; Carbonizing saw mill wastes - process for the manufacture of barbecue briquets; Conversion of manganese ore to battery active manganese dioxide; Production of sodium dichromate from Montana chrome; Conversion of pulp waste liquor to paint solvents; Azeotropic distillation for the separation of aromatic hydrocarbons from gasoline and petroleum naphtha; Investigations to develop a whiteware industry from Montana's ceramic materials.

Chemistry: Light scattering work involving micelles; Monomolecular films; Fundamental work on waxes and complex liquids; Crystal structure investigations on organic esters of titanium and phosphorous using X-ray defraction and high speed computors; Isolation and structural studies of organic natural products; Stereochemistry of polycyclic aromatic ring systems; Isolation and characterization of plant enzyme systems; Industrial utilization studies on barley and mustard seed; Physiological active compounds from

arthropod venom; Reaction kinetics of phenylhydrazones; Junction potentials studies; Ionic absorption of plant root systems (soil - root interactions); Feasibility of atomic absorption spectroscopy to the analytical determination of the rare earths; Determination of dichroic ratio of anhydrides; Flame photometry - tungsten and molybdeum determination.

Civil Engineering: Hydraulics and fluid mechanics - transportation of solids in fluids (pipes and open channel); Materials and structures - concrete; Dynamics of structures.

Electrical Engineering and the Electronics Research Laboratory: Research in propagation - particularly meteor burst propagation; Active and passive network synthesis - especially passive network synthesis and solid state active circuit synthesis; and Communications systems and theory - processing digital signals in the presence of noise; Speech processing - single sideband transmitted speech; Servomechanisms and servosystems; Frequency synthesizing techniques; Lighning direction finding; Instantaneous time synchronization; Digital coding theory.

Mathematics: Genetic Statistics - mathematical models of mutation in host-pathogen systems and estimation of mutation rates; Statistical inference and sampling theory; Algebraic topology - differential geometry and convergent structures; Number theory; Abstract algebra; Functional analysis; Numerical analysis.

Physics: High resolution atomic spectroscopy - hyperfine structure; Raman spectroscopy; Molecular spectroscopy in the visible and ultra-violet; Electron physics - bombardment of atomic and molecular species in the gas phase; Optical properties of the alkaline earth binary compounds

formed with the group VI elements; Theoretical research in fluid dynamics and quantum hydrodynamics; Ionospheric physics (theoretical and experimental); Theoretical astrophysics - stellar energy production; Theoretical atomic and solid-state physics. Note: The physics department now operates a seismograph station for the Coast and Geodetic Survey, and has been chosen to participate in the world-wide network of 125 identical stations now being set up. The department would be interested in participating in other observational programs in geophysics, atmospheric and ionospheric physics, solar physics and astrophysics.

Veterinary Research Laboratory:

Cardio-pulmonary physiological research - pulmonary bovine emphysema, and anesthesiology of large animals; Sheep and cattle disease research - white muscle disease, urinary caculi, ovine vibriosis, ovine virus abortion and red water disease of cattle; Listeriosis.

Zoology and Entomology:

Modification and interactions of host cell (bacterial) DNA by invading viruses (Phages). Stress physiology - specific effects of population density stress on subsequent embryological development and physiological degradation of the neuro-secretory systems; Origin and embrylogical development of olfactory sensory nerves in fish; Population ecology on selected species of mammals, birds and fishes.

PERSONNEL

Botany and Bacteriology:

Dr. M. M. Afanasiev
Dr. W. E. Booth
Dr. Richard Hamilton
Dr. H. Keith Harrison
Dr. John Jutila
Dr. H. S. MacWithey
Dr. R. H. McBee
Dr. I. K. Mills
Dr. N. M. Nelson
Dr. Frank Newman
Dr. J. H. Rumely
Dr. E. L. Sharp
Dr. L. DS. Smith
Dr. K. L. Temple
Dr. W. G. Walter
Dr. J. C. Wright

Chemical Engineering:

Dr. Lloyd Berg
Dr. R. L. Nickelson
Mr. H. A. Saner

Chemistry:

Dr. E. W. Anacker
Dr. G. L. Baker
Dr. L. O. Binder
Dr. C. N. Caughlan
Dr. W. B. Cook
Dr. Kenneth Emerson
Dr. E. E. Frahm
Dr. H. E. Gerry
Dr. K. J. Goering
Dr. B. L. Johnson
Dr. M. E. Layton
Dr. B. B. Murray
Dr. R. J. O'Connor
Dr. R. S. Olsen
Dr. Kenneth Schneider
Dr. R. S. Woodriff

Civil Engineering:

Dr. E. R. Dodge
Mr. G. J. Herman
Dr. W. A. Hunt
Mr. O. I. Jackson
Mr. W. O. Keightley
Mr. M. E. Moss
Mr. A. C. Scheer
Mr. R. C. Smith
Mr. T. T. Williams

Electrical Engineering and the Electronics Research Laboratory:

Dr. B. J. Bennett
Mr. Robert Durnford
Dr. W. L. Kilmer
Dr. John Law, Jr.
Dr. D. A. Pierre
Mr. Robert C. Seibel
Mr. P. E. Uhlrich
Dr. D. K. Weaver
Mr. R. W. Weeks

Mathematics:

Mr. LeRoy Amunrud
Dr. H. R. Fischer
Dr. Herbert Gross
Dr. A. L. Hess
Dr. Glen Ingram
Dr. R. E. Lowney
Dr. F. S. McFeely
Mrs. Vinnie Miller
Dr. C. J. Mode
Dr. P. A. Nickel
Dr. C. P. Quesenberry
Dr. W. J. Swartz
Dr. J. E. Whitesitt

Physics:

Dr. Hack Arroe
Dr. J. A. Ball
Dr. Wynne Calvert
Mrs. Georgeanne Caughlan
Dr. I. E. Dayton
Dr. G. J. Lapeyre
Dr. R. V. Weigand
Dr. F. R. Woods

Veterinary Research Laboratory:

Mr. B. D. Firehammer
Dr. M. L. Gray
Dr. W. W. Hawkins, Jr.
Mr. Tats Matsuoka
Dr. Hazel Parker
Dr. R. D. Romanowski
Dr. E. A. Tunnicliff
Dr. David Worley
Dr. Stuart Young

Zoology and Entomology:

Dr. N. L. Anderson
Dr. D. W. Blackmore
Dr. C. J. D. Brown
Dr. C. V. Davis
Mr. Ellsworth Hastings
Dr. R. E. Moore
Dr. J. H. Pepper
Dr. Don Quimby
Dr. G. R. Roemhild
Dr. D. K. Scharff
Mr. G. A. Schultz
Dr. P. D. Skaar
Dr. Harold Watling

MONTANA STATE UNIVERSITY
MISSOULA, MONTANA

AFFILIATION: One of the six units of the Montana University system.

The following departments desire Government Procurement Research and Development Contracts: Chemistry, Forestry and Geology. The following departments have research and development capabilities: Botany, Micro-biology and Public Health, Physics, Zoology, Economics, Political Science, Phychology, Sociology and Anthropology, Speech, Business Administration, Journalism, Radio and T. V., and Pharmacy.

SPECIALIZED EQUIPMENT AND FACILITIES

Chemistry: Electrophoresis Apparatus, Klett, complete; Electrophoresis equipment - (a) Beckman curtain electrophoresis, (b) Paper electrophoresis cell, Durrum type; Gas Chromatograph - on order, Hydrogenation Apparatus - both low and high pressure; Polarimeter; Polarograph - on order: Potentiometric recorders; (c) Spectrograph, Bausch and Lomb 11½ meter grating; Spectrophotometers - Beckman IR-5, infrared, Beckman D U. Ultraviolet, with hydrogen lamp and power source and flame attachment, Coleman Model 14.

Forestry: Staff, laboratory space and equipment available for survey, special studies and research in the fields of land, forest, and range use, resource economic studies, technical research in the fields of wood utilization, logging, milling, range and wildlife.

Geology: X-ray Laboratory - Phillips basic X-ray unit, diffractometer, electronic circuit panel, 113 mm. powder cameras (2), Weissenberg camera, power picture reader, Simpson meter, end window geiger counter. Geochemical Laboratory-International centrifuge size 1, International centrifuge, clinical, Mettler electric balance, Berman balance, drying oven,

Temco furnace, chemical hood, Barnstead still, Perkin-Elmer Model 126 Flame Photometer, Bendix Ultrasonic generator, Beckman pH meter. Petrography Laboratory - 2 monochromatic sodium lamps, 2 sets of index of refraction liquids, universal stage, 3 binocular microscopes, 12 petrographic microscopes, 12 microscope lights, laboratory counter, jelly microrefractometer, 4 vertical illuminators, Leitz micro-projector. Sedimentation Laboratory - 1 set Tyler nested sieves, sieve shaker, Ro-tap machine, mechanical agitator, Cent-o-gram triple beam balance, Geomorphology Laboratory - Planimeter, Chartometer, Photo Laboratory - B & L copy camera, 4" x 5" or 5" x 7", with photomicrograph, adapter, Solar enlarger, double-faced Ferrotype dryer, 20" x 30"; contact printer 8" x 10". Paleontology Laboratory - 6 binocular microscopes with lights. Good supply of drafting, field and cutting equipment; mineral, rock and fossil collections.

RESEARCH AND DEVELOPMENT PROGRAMS

General: Currently 78 research projects are under way, supported by separately-budgeted funds. In addition, some 175 different projects are being conducted by professors without financial support - projects as varied as developing new methods of casting concrete sculptural forms or writing a novel to studying blood parasites in sharp-tailed grouse.

Chemistry: Hydronaphthalenes as Possible Cancer Chemotherapeutic Agents, Substituted Cyclic Sulfides, Determination of Phase Diagrams for Pyrophosphate - metaphosphate Systems, The Fries Re-

arrangement and Friedelcrafts Reactions with Naphalenediols, and Compounds of Oxygen, Fluorine, and Boron.

Forestry: The objective of a "Study of the Montana Forest Products Industry" is to provide a comprehensive understanding and a thorough analysis of the forest products industry - its relation to the forest resources on one hand and to the economy on the other. Faculty of the School of Forestry is working on a number of projects designed to help overcome the problems of slow growth rate and small tree size.

Geology: Stratigraphy and Paleontology of the Intermontane Basins of Western Montana, Comparison of Recent and Ancient Glauconites, Argon-potassium dating program, and Drainage Systems Development Forms and Rates.

PERSONNEL

Chemistry:

Name:	Ph.D. School and Year	Research Publications
Prof. R. E. Juday	Univ. of Wisconsin 1943	8
Asst. Prof. P. A. Kitos	Oregon State Univ., 1956	
Prof. E. C. Lory	John Hopkins Univ., 1932	1
Assoc. Prof. R. K. Osterheld	Univ. of Illinois, 1950	8
Prof. J. M. Stewart	Univ. of Illinois, 1944	10, 8 patents
Asst. Prof. F. D. Thomas	Penn. State Univ., 1959	2
Asst. Prof. W. P. Van Meter	Univ. of Washington, 1959	7
Assoc. Prof. L. M. Yates	Wash. State College, 1956	1

Forestry:

Staff and Assistants.

Geology:

Fred S. Honkala, Ph. D.	Stratigraphy, Non-Metallic Mineral Deposits.
Robert W. Fields, Ph. D.	Vertebrate Paleontology, Cenzoic Stratigraphy.
John Hower, Ph. D.	Petrology, Clay Mineralogy
Arnold Silverman, Ph. D.	Mineralogy, Genesis of Mineral Deposits
John P. Wehrenberg, Ph. D.	Mineralogy, Geochemistry.
Robert M. Weidman, Ph. D.	Structural Geology, Metallic Mineral Deposits.
Don Winston, Ph.D.	Invertebrate Paleontology, Sedimentation.

SECTION III.

DETAILED INFORMATION ON MANY MONTANA COMMUNITIES

INTERESTED IN

INDUSTRIAL EXPANSION

ANACONDA

LOCATION Anaconda is located in Deer Lodge County in southwest Montana, with mountains to the south and west, and the broad Deer Lodge Valley to the east. Elevation: 5,335 feet.

POPULATION (1960 census) 12,054, trade area 18,640.

CLIMATE Average maximum daytime temperature July 79.8, January 28.0; average annual precipitation 12.67 inches; length of growing season 100 days; average relative humidity, summer 54%.

TRANSPORTATION FACILITIES Rail: Butte, Anaconda and Pacific. Buses: Intermountain Transportation Co., Deer Lodge Valley Bus Lines, and Mountain View Transportation Co. Truck Lines: Northwest Freight Lines, Consolidated Freight Lines, Northern Pacific Transport Co., Pacific Intermountain Express, and Andy's Freight. Pipeline: Natural gas, Montana Power Co.

INDUSTRIAL SITES Unlimited. The Deer Lodge County Economic Betterment Corporation is active in promoting new industries. Inducements offered are cheap land, low power rates and a good labor supply.

WATER SUPPLY Adequate with facilities for expansion.

SEWAGE Adequate with facilities for expansion.

POWER AND FUEL Either private or public power. See Appendix I. for Montana Power rates. Natural Gas: Montana Power Co., average industrial rate 59¢ per 1000 cu. ft. Oil, coal and sawdust available locally.

TAX STRUCTURE Total property mill levy (average): County (includes averages of county, state and school levies) 118.70; City (including county total) 176.20.

HOUSING Average cost per sq. ft: housing, new $17.00. Average rental per 990 square feet: housing, $50.00 per month, commercial $150.00 per month.

COMMUNITY FACILITIES Schools: Elementary, enrollment, 1264; Junior High, 679; High School, 570. 1 bank, 1 hospital, 1 hotel, 3 motels, 1 Public Library, 1 newspaper, 1 radio-TV station, 2 parks, 2 movie theatres, 9 public halls. Outdoor Recreation: Excellent trout fishing and big game hunting in the immediate area. Georgetown, Silver and Echo Lakes are near for boating, water skiing and swimming. Wraith Hill Ski Area has three rope tows. Anaconda has a swimming pool, memorial gym, a golf course, tennis courts, baseball field, playground and parks.

LABOR Average number employed, male 5,395, female 1,169. Prevailing unskilled wage, low $17.25 per day, high $18.23 per day. Prevailing skilled wage, low $18.00 per day, high $24.80 per day. The predominate economic groups are labor 65%, white-collar 11%, professional 9%, independent businessmen 1.6%, other 13%.

MANUFACTURING Anaconda Co. Reduction Works, non-ferrous metals. Slag carries high iron concentrate.

NATURAL RESOURCES Timber is in abundant supply. Agriculture is carried out on a large scale in the Deer Lodge Valley. Anaconda is very close to the Butte mining district.

BIG TIMBER

LOCATION Big Timber is the county seat of Sweet Grass County and is located in the broad valley of the Yellowstone River. The town has mountains to the south, isolated mountains to the north, and rolling plains to the east and west. Elevation: 4,100 feet.

POPULATION (1960 census) 1,660, trade area 3,290.

CLIMATE Average maximum daytime temperature July 86.4, January 35.8; average annual precipitation 14.64 inches; length of growing season 114 days.

TRANSPORTATION FACILITIES Airport: Municipal, lighted field; good turf runways, East-West runway 5000 feet, North-South 4300 feet. Rail: Northern Pacific, main line. Truck: Two truck lines. Bus: Greyhound. Pipeline: Natural gas.

INDUSTRIAL SITES One 90-acre plot for lease by the city. Several good tracts owned by individuals, reasonably priced.

WATER Sufficient, with good potential both from wells and the Yellowstone River. City water by gravity line from Boulder River; cost per home, $1.60 per month.

POWER AND FUEL Power: Montana Power Company. (See Appendix I. for rates and natural gas rates). Fuel Oil: Available. Coal: Nearest source 80 miles.

TAX STRUCTURE Total property mill levy (average): County (includes averages of county, state and school levies) 91.40; city (including county total) 126.40.

HOUSING Average cost per sq. ft., new $12, existing $8. Average rental per 990 sq. ft: housing $50, commercial $20.

COMMUNITY FACILITIES Adequate schools; 1 bank, Citizens' Trust; 1 hospital;

2 hotels; 4 motels; 1 Public Library; 7 churches; 1 newspaper; 1 park; 1 theatre; 2 public halls; 4 TV stations received, 2 from Billings, 2 from Salt Lake City; 1 swimming pool; 2 tennis courts; 1 baseball field; 1 playground. Good small and big game hunting and fishing in the immediate area.

LABOR Per family income, $8,000 per year. Predominant economic groups of area in rank order: Farming and ranching, independent businessmen, white-collar workers, professional men, and laborers.

INDUSTRIES None.

NATURAL RESOURCES Minerals: Deposits of iron ore and chromite occur in the Absorka Mountains south of Big Timber. Calcite in pure quality. Agriculture: The area is primarily suitable for grazing. Grains and hay are grown in the Yellowstone River Valley, and dry-land grains north and northeast of the valley.

BILLINGS

LOCATION Billings is the county seat of Yellowstone County and is situated on the Yellowstone River in a broad fertile valley. Topography: level, with hills surrounding the valley. Elevation: 3,119 feet.

POPULATION (1960 census) 52,851, trade area 166,195.

CLIMATE Average maximum daytime temperature: July 87.9, January 30.3. Average relative humidity (summer) estimated 55%. Average annual precipitation 13.12 inches. Length of growing season 170 days. Prevailing wind direction SW.

TRANSPORTATION FACILITIES Air: Frontier, Northwest, and Western Airlines. Rail: Northern Pacific, and Chicago, Burlington and Quincy, main lines; Great Northern, branch line. Trucklines: There are 76 motor carriers of all descriptions servicing trade routes through Billings, and connecting with local routes. Buses: Northern Pacific Transport Co., Greyhound, Continental Trailways, and Canyon Bus Lines. Pipelines: Cenex Pipeline Co., products; Crude Oil Pipeline Co., crude oil; Glacier Pipeline Co., crude oil; Shoshone Pipeline, products; Yellowstone Pipeline, products.

INDUSTRIAL SITES Billings has an Industrial Development Corporation organized in December 1961 for the purpose of promoting industrial expansion. Sites: Northern Pacific Railway has large areas of industrial sites for lease in SW Billings on the N.P. main line. The Lee Industrial Site, for sale or lease, is in SE Billings, close to the Yellowstone River, off Belknap Avenue. Large areas for potential industrial sites are located east of Billings on Lockwood Flats. These areas are bordered on the south by the N.P. tracks and on the

north by the Yellowstone River and are very close to the new proposed Interstate Highway. Details can be obtained by writing to the Billings Chamber of Commerce and the Northern Pacific Railway Company.

WATER SUPPLY Adequate, taking less than 10% of available water from the Yellowstone River. Maximum volume available on existing systems, 47 4/10 million gallons per day.

SEWAGE Municipal, with a capacity of 14 million gallons per day.

POWER AND FUEL: Power: Montana Power Co. See Appendix I. for rates. Natural Gas: Montana Dakota Utilities Co., average commercial rate 35¢ per 1,000 cu.ft. Fuel Oil: Available. Coal: From Roundup, Red Lodge and Colstrip.

TAX STRUCTURE Total property mill levy (average): County (includes averages of county, state and school levies) 108.69; City (including county total) 151.79.

HOUSING Average cost per sq. ft.: new $12.50 for small house, $14.00 for a larger house. Average rental $135 to $150 per month for a better home, $90 per month for an average home; commercial $3.25 per sq. ft. per year.

COMMUNITY FACILITIES Schools: Enrollment - Elementary 7,930, capacity 8,750; Junior High 3,450; High School 2,750, capacity 3,150. Colleges: Eastern Montana College, Rocky Mountain College, and Billings Business College, enrollment 2,150, capacity 2,400. Schools of Nursing: 2, enrollment 112, capacity 200. 2 hospitals, bed capacity 405. 74 churches, including all denominations. 5 banks, 31 hotels, 37 motels, 1 Public Library, 2 newspapers, 5 radio stations and 2 TV stations, 8 parks, 5 theatres, 8 public halls, 5 bowling alleys. Minor League Ball Team (Mustangs). Out-

door Recreation: Small and big game hunting, and excellent fishing in the immediate area. Boating on Yellowstone River and Lake Elmo. 2 swimming pools, 14 tennis courts, 3 private golf courses, 18 playgrounds and parks, 7 baseball fields, 2 roller skating rinks. Winter Sports: Skiing at Grizzley Peak, 65 miles from Billings, chairlift and lodge.

LABOR Per capita income of community $2,086, trade area $1,685. Average number employed year around, male and female, 24,000. Prevailing unskilled wage $1.50 to $2.50. Prevailing skilled wage $3.15 and up. Predominant economic groups in rank order, white-collar workers, laborers, independent business and professional men. In trade area predominant group consists of farmers and ranchers.

MANUFACTURING 2 Petroleum Products Refineries; 12 Cabinet and Millwork Shops, 19 Sheet Metal and Machine Shops, 9 Cement and Concrete Plants, 15 Dairy and Agricultural Products Plants, 1 Sugar Beet Refinery and many other miscellaneous manufacturers.

NATURAL RESOURCES Minerals: Coal in unlimited quantities; Uranium. Oil: Billings is the petroleum center of Montana. Agriculture: Crops grown in Yellowstone County include spring and winter wheat, duram wheat, oats, barley, corn, seed beans, hay and sugar beets. Livestock Industry: Center of the livestock industry in that 225,000,000 cattle and 150,000,000 sheep are sold through the two livestock market auctions each year.

BOZEMAN

LOCATION Bozeman is the county seat of Gallatin County, and is situated in a broad fertile valley with mountains to the south and east. Montana State College (approximate enrollment 4,000) is located here. Elevation: 4,795 feet.

POPULATION (1960 census) 13,361, trade area 44,000.

CLIMATE Average maximum daytime temperature: July 81.5, January 30. Average annual precipitation 17.64 inches. Length of growing season approximately 100 days.

TRANSPORTATION FACILITIES Air: Northwest Airlines. Rail: Northern Pacific Railway Co., main line; Milwaukee Road, branch line. Truck Lines: 5 motor carriers. Buses: Greyhound and Karst Stages. Pipelines: Yellowstone Pipe Line Co., products.

INDUSTRIAL SITES An Industrial Development Corporation is being planned. Large areas are available, bisected by main Highways 10 and 191, with railway service sub-stations, and water mains to border of property. Further information may be obtained from the Bozeman Chamber of Commerce.

WATER Presently using 9 million gallons per day of possible 18 million gallon per day capacity on existing systems.

SEWAGE Adequate until 1975, disposal pond type.

POWER AND FUEL Montana Power Co. See Appendix I. for power and natural gas rates. Fuel: Sawdust, fuel oil and propane available.

TAX STRUCTURE Total property mill levy - County average: (includes averages of county, state and school levies) 101.47. Approximate total county levy adjacent to city: 119.74; City (includ-

ing county total adjacent to city) 162.54.

HOUSING Average cost per sq. ft.: new $15.50, existing $10.00. Average rental per 990 sq. ft.: housing $90.00 per month, commercial $80.00 per month.

COMMUNITY FACILITIES Schools: Enrollment: Kindergarten 314, Elementary 2,161, Junior High 832, High School 590, Montana State College 4,275, capacity 6,000 when present building program is completed. 3 Banks and 1 Savings and Loan Association. 1 hospital, bed capacity 82, and 24 churches including most denominations. 7 hotels, 12 motels, 1 Public Library, plus Montana State College Library. 1 daily and 1 weekly newspaper. 2 radio stations and community TV with 5 channels. 6 parks and 2 theatres. Outdoor Recreation: Excellent small and big game hunting, also good fishing is available in the immediate Bozeman area. There are numerous small streams and lakes in addition to the East and West Gallatin Rivers in the immediate area. The Madison and Jefferson Rivers are easily accessible west of Bozeman as is the Yellowstone River on the east. Skiing, swimming, ice skating are available. Also 2 nine-hole golf courses, 20 tennis courts, including several on the MSC campus, 3 playgrounds in addition to those at schools, and approximately 18 baseball fields with more planned.

LABOR Per capita income of community $1,834; trade area $1,808. Predominant economic groups in rank order: laborers, white-collar workers, farmers and ranchers, independent businessmen and professional men. Average number employed (year-around) male 4,000, female 970. Prevailing unskilled wage $1.25 to $2.60 per hour, skilled $3.00 to $3.65.

MANUFACTURING AND PROCESSING Toys and novelties, cabinets, commercial printing, flour, soft drinks, monuments, sheet metal products, sawmills and planing mills, dairy products, bakery products, ready-mix concrete, treated poles and posts, animal feeds, meats and electronics.

NATURAL RESOURCES Metallic Minerals: Sulphide ores of copper, zinc, gold, silver and iron have been mined in the vicinity. Non-Metallic Minerals: Limitless quantities of limestone; black shale for light-weight aggregate, abrasive quality corundum; commercial grade mica; gneiss; sandstone, travertine; "picture rock" for building stone; asbestos; coal; silicon dioxide in volcanic beds which could be used for glass making. Agriculture: Quantities and values of products of Gallatin County (averages for year 1958 and 1959) are: Livestock products $6,900,000; winter wheat 1,822,500 bu. - $2,748,000; hay 137,700 tons - $2,382,000; barley 1,491,000 bu. - $1,154,000; potatoes 167,700 100-lb. bags - $465,900; spring wheat 264,700 bus. - $431,400; oats 522,300 bu. $298,600; corn, durum wheat and rye - $54,700. Forest Resources: Lodgepole pine, Douglas fir, Spruce and Alpine Fir 654,000 acres, 4,367,000,000 board feet of saw timber, 8,396,000 cords of 5-11 inch trees. Present or allowable annual cut (board feet): Lodgepole pine - 23,000,000 bd. ft. of saw timber, 61,000 cords for other uses; Douglas Fir - 14,000,000 bd. ft. of saw timber, 10,600 cords for other uses; Spruce, Alpine fir - 2,000,000 bd. ft. saw timber, 1,000 cords for other uses.

BUTTE

LOCATION Butte, situated in southwestern Montana, is the county seat of Silver Bow County and the largest mining center in the State. Elevation: 5,500 feet.

POPULATION (1960 census) 27,877, trade area 46,454.

CLIMATE Average maximum daytime temperature July 84.4, January 26.8. Average annual precipitation 12.67 inches. Lengtn of growing season 120 days.

TRANSPORTATION FACILITIES Air: Northwest Orient (E-W), Western Air (N-S), Rail: Northern Pacific Railway Co. and Milwaukee Road, main lines; Great Northern and Union Pacific, branch lines. Trucking Lines; 4 interstate and 9 intrastate motor carriers. Buses: Greyhound, Intermountain and Silver Bow Transit. Pipeline: Natural Gas.

INDUSTRIAL SITES A listing of available industrial-type buildings giving location, space, and characteristics can be obtained from the Industrial Bureau of the Butte Chamber of Commerce. The industrial sites are concentrated along the railroad right-of-way in south Butte. This area, close to all the available means of transportation and of unrestricted size, is ideal for future industrial zoning.

WATER Supply adequate. Present storage capacity 660 million gallons. Cost: Residential $3.70 per month for a 5-room house, additional $12.00 a year for lawn sprinkling. Industrial rates: 70,000 cubic feet or less per month $170.63, over 70,000 cubic feet at 24¢ per hundred cubic feet, minimum consumption 1 million cubic feet per month $2,145.00, 21¢ per 100 cubic feet over 1 million cubic feet.

SEWAGE Automatic treatment and disposal of industrial waste. Butte has

formed a Metropolitan Sewer District for the purpose of increasing interceptor and out-fall sewer facilities to newly developed areas.

POWER AND FUEL Power and natural gas is available for all types of industry. Montana Power Company. (See Appendix I. for rates). Coal and fuel oil available.

TAX STRUCTURE Total property mill levy (average): County (includes averages of county, state and school levies) 112.61; City (including county total) 169.56 mills.

HOUSING Conditions have improved greatly in the last few years. Several developments have been built and private building is at its highest in many years.

COMMUNITY FACILITIES Schools: 3 High Schools, 1 public, 2 sectarian; a new Junior High School; 17 public and 9 parochial grade schools; 1 Business College, and the Montana School of Mines with 12 buildings. 4 banks, the First National, Metals Bank and Trust Company, Miners' National, The Security Bank; 3 hospitals, the Community Memorial Hospital, 144 bed capacity, St. James Hospital, 160 bed capacity, and Silver Bow County Hospital, 75 bed capacity; 2 libraries, Butte Public Library and the technical Library at Montana School of Mines; 2 newspapers, Montana Standard and Butte Daily Post; 3 theatres, 1 downtown and two drive-ins; 47 churches; 11 Catholic, 35 Protestant and 1 Jewish Temple; 14 hotels and 16 motels; 3 radio and 1 TV station. Recreational Facilities: The country surrounding Butte provides excellent trout fishing, hunting and picnicking. Many playgrounds, also multi-purpose fields for football, softball, which, in winter, may be used for ice skating, two tennis courts,

one 18-hole and one 9-hole golf course, four indoor swimming pools, three ski runs with tows, one of which is lighted, and five bowling alleys.

LABOR Employment service records show that there are available monthly an average of 1200 new workers within a radius of 25 miles. Average hourly pay scale, unskilled $1.25 to $2.58; skilled $2.15 to $2.90.

MANUFACTURING Predominantly a mining community, copper reduction works, foundry, brass and controls manufacturers and several machine shops.

NATURAL RESOURCES Metallic Minerals: Gold, silver, copper, lead and zinc valued at approximately 3½ billion dollars have been produced in 79 years. By-products of processing have yielded arsenics, oxide, sulphuric acid, cadmium, germamium, indium, and platinum group metals. Non-Metallic Minerals: Large quantities of phosphate rock, sand, gravel, stone and clay available. Agriculture: Carried on in the valleys. Timber: Large supplies in mountains surrounding Butte.

CONRAD

LOCATION Conrad, situated in northwestern Montana, is the county seat of Pondera County and is in a productive agricultural area. Elevation: 3,537 feet.

POPULATION (1960 census) 2,665, trade area 7,653.

CLIMATE Average maximum daytime temperature: July 83.1, January 27.3. Average annual precipitation 12.12 inches. Length of growing season 132 days.

TRANSPORTATION FACILITIES Air: Small municipal airstrip suitable for small crafts. Rail: Great Northern, main line. Truck Lines: Interstate and intrastate carriers available. Buses: Greyhound and Intermountain.

INDUSTRIAL SITES Large undeveloped tracts available. For further information, write to the Conrad Lions' Club.

WATER Municipal, adequate.

SEWER Municipal, sewage lagoon.

TAX STRUCTURE Total property mill levy (average): County (includes averages of county, state and school levies) 93.94; City (including county total) 132.69.

COMMUNITY FACILITIES Schools: Grade School and High School facilities adequate. 1 bank; 1 hospital with a bed capacity of 56; 2 hotels; 1 motel; 1 Public Library; 11 churches; 1 newspaper; parks; playgrounds and baseball fields. Small and big game hunting, fishing in near vicinity.

LABOR Average number employed in area (year-around est.), male 800, female 500.

MANUFACTURING AND PROCESSING Barley Biochemical plant, several grain elevators.

NATURAL RESOURCES Primarily an agricultural area with good yields of winter wheat, spring wheat and other grains.

CULBERTSON

LOCATION Culbertson is located in Roosevelt County in northeast Montana, 23 miles from the North Dakota border on the Missouri River. Elevation: 1920 feet.

POPULATION (1960 census) 919, trade area 3,500.

CLIMATE Average maximum daytime temperature: July 83.6, January 19.6; average annual precipitation 12.7 inches; length of growing season, 120 days.

TRANSPORTATION FACILITIES Rail: Great Northern, main line. Trucking Lines: 4 motor carriers. Buses: 2 bus lines.

INDUSTRIAL SITES The community is in the process of organizing an Industrial Development Corporation. Sites are located along U.S. Highway 2, a short distance from trackage. For further details, write to the Chamber of Commerce.

WATER Obtained from wells, adequate.

SEWAGE Municipal lagoon system with a capacity for a population of 4,000.

POWER AND FUEL Power: Montana-Dakota Utility, and R.E.A. Fuel: Coal, fuel oil and propane available.

TAX STRUCTURE Total property mill levy (average): County (includes averages of county, state and school levies) 92.31; City (including county total) 134.31.

HOUSING Average cost per square foot, new $12.00; average rental per 990 square feet, $65.00.

COMMUNITY FACILITIES Schools: Grade and High Schools adequate. 1 bank, 6 churches, 1 hotel, 2 motels, 1 Public Library, 1 newspaper, 1 theatre, and 1 public hall. Out-door Recreation: Fishing and boating at Medicine Lake, 25 miles north of town; swimming pool under cover; tennis courts, small and big game hunting in immediate area.

LABOR The family income of community and trade area $4,321. Average number employed, year-around, male 140, female 60. Prevailing unskilled wage $1.42 to $2.50 per hr., skilled wage $2.50 to $3.75 per hr. Predominant economics groups in rank order are: Farmers and ranchers, laborers, independent businessmen, white- collar workers and professional men.

MANUFACTURING Safflower plant, Pacific Vegetable Oil Corp.

NATURAL RESOURCES Non-Metallic Minerals: Lignite coal. Agriculture and Livestock Products: Wheat, 700,000 bushels; beef cattle, 3,000 head; safflower, one million lbs.

DILLON

LOCATION Dillon is the county seat of Beaverhead County and is located in southwestern Montana on the Beaverhead River. Elevation: 5,200 feet.

POPULATION (1960 census) 3,690, trade area 7,400.

CLIMATE Average maximum daytime temperature: July 78, January 22. Average annual precipitation 12.56 inches. Length of growing season 4 months.

TRANSPORTATION FACILITIES Rail: Union Pacific, main line. Trucking Lines: 2 interstate motor carriers, several local. Buses: Interstate Transportation.

INDUSTRIAL SITES Several sites are available northeast and west of town, bordered by railroad and highways, including:

30 acres for sale at $300 per acre,
10 acres for sale at $500 per acre,
30 acres for sale at $500 per acre.

For further information write to the Dillon Chamber of Commerce.

WATER SUPPLY Maximum volume on existing systems 2000 gallons per minute. Reservoir storage 750,000 gallons. Undeveloped potential of both underground and river water.

SEWAGE Capacity 2,880,000 gallons per day, lagoon type.

POWER AND FUEL Power: Montana Power Co. (See Appendix I. for rates). Vigilante Electric. Fuel: Shipped in coal available from Roundup, Montana or Utah and Wyoming.

TAX STRUCTURE Total property mill levy (average): County (includes averages of county, state and school levies) 107.07. City (including county total) 155.32.

HOUSING Average cost per sq. ft.: new $15.50, existing $15.50. Average

rental per 990 square feet: housing $75, commercial $150.

COMMUNITY FACILITIES Schools: Enrollment - Kindergarten 105, capacity 165; Elementary 538, capacity 560; Junior High 311, capacity 430; Western Montana College, 560. 2 banks; 1 hospital, 25 bed capacity; 9 churches; 2 hotels; 5 motels; 1 Public Library; 2 newspapers, 1 daily and 1 weekly; 1 radio station; 2 theatres; 2 public halls. Outdoor Recreation: Small and big game hunting, and fishing in immediate area, swimming pool, tennis court, golf course, baseball park, boating. Winter Sports: Skiing at Rainey Mountain with chair lift.

LABOR Per family income of community $3,532, trade area $3,150. Average number employed, male 618, female 125. Prevailing unskilled wage $1.50 - $3.00 per hour. Prevailing skilled wage $3.00 - $4.50 per hour.

MANUFACTURING 1 Talc and 1 Tungsten producer.

NATURAL RESOURCES Metallic: Gold, silver, lead, copper, manganese, iron ore and tungsten. Non-Metallic: Talc. Agriculture and Livestock: Grain and hay grown in valley. Large numbers of cattle and sheep. Livestock feed 6,000,000 lbs. Forest Resources: Lodgepole, Douglas and Alpine Fir: 16 million cords of pulpwood, and over 4 billion board feet of merchantable timber.

ENNIS

LOCATION Ennis is located in Madison County in southwestern Montana on the Madison River. Elevation: 5,000 feet.

POPULATION (1960 census) 525, trade area 5,211.

CLIMATE Average maximum daytime temperature: July, 80; January, 30. Average annual precipitation about 14.00 inches. Length of growing season 120 days average.

TRANSPORATION FACILITIES Trucking Lines: 1 Interstate carrier. Buses: Northern Pacific Transport Company.

INDUSTRIAL SITES Areas suitable but not developed.

WATER Municipal system, supplied by deep well and a 50,000 gallon storage tank.

SEWAGE Septic tanks, individual.

POWER AND FUEL Power: Montana Power Company. (See Appendix I. for rates). Fuel: Coal, fuel oil and butane available.

TAX STRUCTURE Total property mill levy (average): County (includes averages of county, state and school levies) 109.96; City (including county total) 141.96.

COMMUNITY FACILITIES Schools: Enrollment in grade through high schools about 30; 5 churches, 1 hospital, 3 hotels, 12 motels, 1 theatre. Out-door Activities: Small and big game hunting, boating, fishing, swimming and playground. About 14 miles from historic Virginia City.

MANUFACTURING 1 sawmill and 1 talc mine.

NATURAL RESOURCES: Agriculture and Livestock: Mostly grain and hay. Livestock raised in large quantities.

FORT BENTON

LOCATION Fort Benton, situated 41 miles northeast of Great Falls and on the Missouri River, is the county seat of Chouteau County. Elevation, 2,500 feet.

POPULATION (1960 census) 1,887, trade area 7,348.

CLIMATE Average maximum daytime temperature: July 80 degrees, January 25 degrees; average annual precipitation 13 inches; length of growing season 142 days.

TRANSPORTATION FACILITIES Air: 41 miles to Great Falls. Rail: Great Northern Railway, main line. Trucking Lines: 1 motor carrier. Buses: Great Northern and Intermountain.

INDUSTRIAL SITES Undeveloped space along railway and the Missouri River. For further information on sites, write to the Fort Benton Kiwanis Club.

WATER Large undeveloped potential available from Missouri River.

SEWAGE Municipal lagoon type.

POWER AND FUEL Power: Montana Power Company. (See Appendix I for rates). Fuel: Oil available.

TAX STRUCTURE Total property mill levy (average): County (includes averages of county, state and school levies) 121.26; City (including county total) 183.25.

COMMUNITY FACILITIES Schools: Adequate facilities. 1 bank, First Chouteau County Bank. 1 hospital, bed capacity 30; 7 churches; 1 hotel; 1 motel; 1 library; 1 newspaper; 2 theatres. Outdoor Recreation: Swimming pool, baseball field, park, tennis court, fishing and hunting in immediate area.

LABOR Prevailing unskilled wage (farm labor) $200 per month; prevailing skilled wage $3.50 to $5.00 per hour.

NATURAL RESOURCES Primarily agriculture and livestock.

GLASGOW

LOCATION Glasgow is the county seat of Valley County and is situated in northeast Montana on the Milk River. Glasgow Air Force Base is located 18 miles to the north. Elevation: 2090 feet.

POPULATION (1960 census) 6,398, trade area 25,000.

CLIMATE Average maximum daytime temperature: July 86.7; January 19.6; average relative humidity (summer), 63%; average annual precipitation 13.26 inches; length of growing season 120 days.

TRANSPORTATION FACILITIES Air: Frontier Airlines. Rail: Great Northern Railway Company, main line. Trucking Lines: 6 interstate carriers, hauling all types of products. Buses: Missouri Valley Trails, Inc., Skylark Bus Service. Pipeline: Natural gas, Boudoin to Baker.

INDUSTRIAL SITES The Industrial Development Committee of the Chamber has been active in assisting and promoting industry. The Committee has secured land for new developments in the past, including the purchase of the site of Glasgow Air Force Base. Sites: All bordered by Great Northern Railway Tracks and Highway, with water and power available:

Site 1 - 5 acres for lease at $25 per acre per year.
Site 2 - 5 acres for lease at $25 per acre per year.
Site 3 - 15 acres for lease, or for sale at $250 per acre.
Site 4 -100 acres for lease, or for sale at $150 per acre.

WATER Maximum volume available on existing system, 2 million gallons; undeveloped potential includes 2 million gallons per day from existing wells within a half-mile radius.

SEWAGE Municipal owned 50-acre lagoon type.

POWER AND FUEL Power: Montana Power Company. (See Appendix I for rates). Montana-Dakota Utilities, natural gas, average industrial rate 40¢ per 1,000 cu. ft. Fuel: Natural gas and jet fuel.

TAX STRUCTURE Total property mill levy (average): County (includes averages

of county, state and school levies) 104.38; City (including county total) 157.98.

HOUSING Average cost per square foot: new $15, existing $10 to $15. Average rental per 990 square feet; housing $100 per month; commercial $200 and up per month.

COMMUNITY FACILITIES: Schools: Enrollment, Elementary 2245, Junior High 234, High School 746. 1 hospital, bed capacity 60; 17 churches; 2 banks; 3 hotels; 10 motels; 1 Public Library; 1 newspaper; 1 radio station; 2 downtown and 2 drive-in theatres; 2 public halls. Recreation Facilities: Small and big game hunting, fishing, water skiing, boating and swimming at Fort Peck Lake; swimming pool, tennis courts, golf course, baseball fields, 2 playgrounds and 3 parks.

LABOR Prevailing unskilled wage $1.50 to $2.25 per hour; skilled $2.25 to $3.75 per hour. Average total employed (year-around) male 2,000, female 200.

MANUFACTURING 2 ready-mix cement plants; 1 beverage bottling plant; 1 meat processing plant; 1 neon and sheet metal fabricating plant.

NATURAL RESOURCES Wheat average 3,000,000 bushels; barley average 1,500,000 bushels; cattle 70,000 head; sheep 35,000 head; and a large quantity of hay.

GLENDIVE

LOCATION Glendive is the county seat of Dawson County and is situated on the east bank of the Yellowstone River. It is geographically located in the center of the Williston Oil Basin and rich inland agricultural empire of eastern Montana. Elevation: 2069 feet.

POPULATION (1960 census) 7,058, trade area 12,314.

CLIMATE Average maximum daytime temperature: July 88.2, January 24.2. Average annual precipitation 14.03 inches. Length of growing season 131 days.

TRANSPORTATION FACILITIES Air: Frontier Airlines, 2 flights daily, both east and west. Rail: Northern Pacific, main line. Truck Lines: 20 trucking firms, interstate that handle all types of products. Buses: Greyhound. Pipelines: Natural gas, Montana-Dakota Utilities; Oil Basin Pipe Line Terminal, products; Butte Pipeline, crude oil.

INDUSTRIAL SITES Opportunities for industrial sites in Glendive are excellent. Railroads extend in four directions, all of which are paralleled by highways. The Northern Pacific Railroad is willing to provide leased sites, when practical, for shippers. The Glendive Chamber of Commerce is anxious to assist prospective industries.

WATER SUPPLY Municipal system. Water obtained from Yellowstone River. Undeveloped potential includes river and ground water.

SEWAGE Municipal system.

POWER AND FUEL Power: Montana Dakota Utilities (Steam generator plant with installed capacity of 44,000 kws. See Appendix I for rates). Natural Gas: MDU, 1st 6 million cu. ft. per yr. 39¢ per 1,000 cu. ft., over 6 million cu. ft. per yr. 34¢ per 1,000 cu. ft. Special

contracts for customers using in excess of 10 million cu. ft. per year. Fuel: Coal and fuel oil available.

TAX STRUCTURE Total property mill levy (average): County (includes averages of county, state and school levies) 97.54; city (including county total) 161.24 mills.

MANUFACTURING AND PROCESSING MDU Steam Generating Plant, B & H Welding and Machine, sugar beet refinery.

NATURAL RESOURCES Non-Metallic Minerals: Petroleum, oil and gas, also nitrogen from several nearby fields, lignite coal with estimated reserves of over 11 billion tons, uranium (uraniferous lignite), also bentonite. Building Materials: Gravel, sandstone, clay and scoria. Agriculture and Livestock: Wheat, barley, flax seed, oats, sugar beets, alfalfa seed, potatoes, alfalfa and corn. Cattle, 1 million head; hogs, 84 thousand head; sheep, 604 thousand head; chickens, 788 thousand.

GREAT FALLS

LOCATION Great Falls is the county seat of Cascade County and is situated at the apex of the rich triangular agricultural area of north-central Montana. Topography: Plains. Elevation of city: 3,333.

POPULATION (1960 census) City limits 55,357, metropolitan area 73,418, population of trade area 242,193.

CLIMATE Average maximum daytime temperature: July 83.7, January 33.3. Average relative humidity (summer) 40.6. Average annual precipitation 15.21 inches. Length of growing season 139 days.

TRANSPORTATION FACILITIES Air: Northwest, Western Air, Frontier, West Coast Airlines: Rail: Great Northern Railway, main line; Milwaukee Road, branch line. Truck Lines: Twelve lines handle all types of products. Buses: Intermountain Bus Lines, Greyhound Lines, and Glacier Transportation Co. Pipe Lines: Continental Oil Petroleum Products Terminal, gasoline, distillate, diesel and jet fuel. Crude oil, from Cut Bank Field to Great Falls.

INDUSTRIAL SITES Great Falls has an Economic Development Corporation organized to encourage the economic growth and stability of the city by broadening the industrial base and creating new jobs. Further information may be obtained from the Great Falls Chamber of Commerce. Sites: Great Northern Railway owns, or can put you in touch with the owners of, the following tracts:

1. Approximately 30 acres of choice property between Great Northern trackage and Galt Avenue (Proposed Interstate Highway route). Sewer, water and gas could be extended. Zoned industrial.

2. Level 20 acre site bordering city limits. Zoned industrial. Great Northern trackage can be extended to serve. Gas,

sewer and water close at hand. Good access off Vaughn Highway and close to proposed Interstate Highway.

3. Good, choice site bisected by Central Avenue providing good access. Adjacent to Great Northern trackage and proposed Interstate Highway. Sewer, water and gas available. Zoned industrial and light industrial.

4. Over 11 acres of property in Great Falls. Can be served by Great Northern trackage. Alongside proposed Interstate Highway. Zoned industrial. Gas, sewer and water obtainable.

5. Well situated, level Great Northern property. A 125 acre tract partially utilized; zoned light industrial. Water and sewer can be extended.

6. Ideally located 25 acre industrial site, partially utilized, close to business district. Good access to water, sewer and gas connections. Served by Great Northern trackage.

7. For immediate lease with option to sell. Centrally located brick building. Two stories and full basement. Total floor area 27,000 sq. ft. office space. Heated. Elevator and sprinkling system throughout entire building. Unloading door at dock height on G.N. trackage. Access to a paved roadway.

8. Privately owned 24.5 acres, to be leveled and subdivided. Zoned industrial. Water and gas available, sewer coming. Good access, and served by Great Northern trackage.

9. Easily accessible 28 acre industrial site outside city limits of Great Falls. Partially utilized. Served by G.N. trackage. Water, sewer and gas not presently provided.

WATER SUPPLY Unlimited potential from Missouri River. The city water supply is pumped from the Missouri River through a filtration plant with a capacity of 48,000,000 gallons per day. Total rated capacity of the pumping station is 102,000,000 gallons per day. The average temperature in mains is 35 degrees Fahrenheit in winter and 67 degrees in the summer. Average hardness is 8.3 grains per gallon or

142 parts per million. Metered Water Rates: First 1,000 cu. ft. 30¢ per 100 cu. ft.; next 4,000 cu. ft. 25¢ per 100 cu. ft.; next 5,000 cu. ft. 20¢ per 100 cu. ft.; next 90,000 cu. ft. 13¢ per 100 cu. ft.; all over 100,000 cu. ft. 11¢ per 100 cu. ft. Annual charges for service to stand pipes or automatic sprinklers utilized for fire protection are: 1" to 2" inclusive $50.00, 2" to 6" inclusive $100.00. Industrial water rates negotiable.

SEWAGE CAPACITY 12 million gallons per day by mechanical primary treatment. A city sewage plant was placed in operation in January 1961 designed to process 7,000,000 gallons daily, expandable. Industrial rates are to be determined by type of industry and waste they generate.

POWER AND FUEL Power: Montana Power Company. (See Appendix I for rates.) Natural Gas: Great Falls Gas Company. Unlimited volume available to industry. Volumes in excess of 5,000 MCF per month must be negotiated by separate contract. Rates for large users are 35¢ per MCF on a psi pressure base. Heat content of 1000 BTU's per cubic foot and a specific gravity of 0.60. Fuel oil and coal are locally available. Power and fuel rates negotiable.

TAX STRUCTURE Total property mill levy - County average: (includes averages of county, state and school levies) 122.55. Approximate total county levy adjacent to city: 150.56; City (including county total adjacent to city) 201.21 mills.

HOUSING AVAILABILITY Average cost per sq. ft., new $15.00. There is no significant difference in new housing and that which is ten years old. Average rental for housing $115, commercial $1.65 sq. ft. to $4.50 sq. ft.

COMMUNITY FACILITIES Schools: Enrollment: Kindergarten 1,516, Elementary 7,898, Junior High 3,145, High School 1,989, College 800. College capacity is 1200 and the five new elementary schools are not running at capacity enrollment at present. 3 hospitals with a bed capacity of 635. The Montana Deaconess will erect a $3,000,000 hospital on a new site in 1963-64. 50 churches, including practically every faith. 6 banks (includes branch bank at Malmstrom Air Force Base). 33 hotels, 31 motels, 1 public library, 2 newspapers, 4 radio stations and 2 TV stations, 41 parks, 6 movie theatres. Outdoor Recreation: Small and big game hunting and excellent fishing in the immediate area. Power boating and water skiing on Missouri River and at Holter Lake (approx. 50 miles) and many other lakes within a 100 mile radius; 2 swimming pools, 10 tennis courts, 1 private and one municipal golf course, 10 baseball fields, 20 playgrounds. Winter Sports: Skiing at Kings Hill (seventy miles from the city), ice skating on city supervised rinks.

LABOR The per capita income in Great Falls was $2,122, per household $6,032, per household income of trade area $5,362. The average number employed in summer 26,000, winter 24,000. The prevailing unskilled wage ranges from $1.45 to $1.85 per hour. Prevailing skilled wage ranges from $2.12 to $4.00 per hour. An agreement provides for the establishment of special rates for manufacturing which rates are considerably less than the rates paid for skilled labor. The predominant economic groups by rank number are white-collar workers, laborers, independent business and professional men.

In the trade area, farming and ranching comprise the major group.

MANUFACTURING 1 manufacturer of copper-zinc, copper and aluminum cable. 1 of electric power, 15 of agricultural products, 1 brewery, 1 of petroleum products, 13 sheet metal and machine shops, 12 of wood and millwork, 5 of concrete products, 3 bottlers, 2 nurseries, 6 greenhouses, 2 lithographers, 2 awning and tent producers, and several miscellaneous manufacturers.

NATURAL RESOURCES Non-Metallic Minerals: Lime, fire clay, and lightweight aggregates are plentiful. Agriculture: Great Falls is situated at the apex of the rich agricultural area of north-central Montana, famous for the yields and qualities of the hard, red winter and spring wheat grown there. In addition to the large area devoted to non-irrigated grain farming, there are about 200,000 acres of irrigated land in the territory northwest of Great Falls used for the production of hay and grain. The irrigated area includes the Sun River and Conrad-Valier irrigation projects of about 150,000 acres and the remaining 50,000 is in small private projects. This irrigated land assures a supply of winter feed in dry seasons and is a valuable complement to the excellent grazing area for livestock found in the foot hills of the mountain ranges to the east, south and west. With a diversified agricultural economy of cattle and sheep, irrigated and non-irrigated farming, Great Falls is in an enviable position with respect to its trade territory. The annual value of cash farm receipts within the area, both primary and secondary, has reached $208 million.

HARLOWTON

LOCATION Harlowton is the county seat of Wheatland County and is situated on the Musselshell River. Elevation: 4160 feet.

POPULATION (1960 census) 1,734. Trade area, 5,000.

CLIMATE Average maximum daytime temperature: July 82.0 F., January 30.2 F. Average annual precipitation 15.03 inches. Length of growing season 142 days.

TRANSPORTATION FACILITIES Rail: Milwaukee (C.M. St. P. & P.), main line. Trucking Lines: 4 Motor carriers. Buses: Canyon Line. Pipelines: Natural Gas.

INDUSTRIAL SITES Harlowton has an Industrial Development Committee which is active in promoting new industry. A peat moss and trace minerals plant resulted from these activities. Sites:

Site 1. Approx. 40 acres for lease, belongs to C.M. St. P. & P. Railroad. Reserved for Industrial site. Reasonable rent, or rent free.

Site 2. About 10 acres for lease, belongs to C.M. St. P. & P. Railroad. Reserved for Industrial site. Reasonable rent, or rent free.

Site 3. About 40 acres for lease or purchase, reasonable cost.

Site 4. About 100 acres for lease or purchase, reasonable cost.

Site 5. About 5 acres for lease, belongs to C.M. St. P. & P. Railroad. Reserved for industrial site. Reasonable rent, or rent free.

Other sites available.

WATER Maximum volume available on existing system 1800 gallons per minute. Can be increased. More wells (600' deep) could be drilled at reasonable cost for future development.

SEWAGE Municipal, adequate for a population of 3,000. Sewage lagoon built in 1959.

POWER AND FUEL Power and Natural Gas: (See Appendix I for rates). Mon-

tana Power Company. Fuel Oil and Coal: Locally available.

TAX STRUCTURE Total property mill levy - County average: (includes averages of county, state and school levies) 108.56. Approximate total county levy adjacent to city: 127.19 mills; City (including county total adjacent to city) 171.19.

HOUSING Average cost per square foot: new $12.50 - $15.00, existing $8.00 to $12.50 per square foot. Average rental per 990 square feet: housing $60.00 per month, commercial $1.50 per sq. ft. per year.

COMMUNITY FACILITIES Schools: Enrollment: Kindergarten 38, capacity 40; Elementary 285, capacity 360; Junior High 91, capacity 120; High School 165, capacity 250. 1 bank, Continental National; 2 hotels, 5 motels, 1 Public Library, 1 newspaper, 1 theatre, 1 public hall. Outdoor Recreation: Small and big game hunting in the immediate area. Water skiing and boating on three lakes close to town. A swimming pool, tennis court, golf course, baseball field and playground. Skiing in winter.

LABOR Average number employed (year-around): male 501, female 110. Prevailing unskilled wage: $1.50 to $2.00 per hr., skilled $2.50 to $3.75 per hour.

MANUFACTURING AND PROCESSING A flour mill, pellet mill (livestock feed), meat processing plant, and fertizer plant.

NATURAL RESOURCES Metallic Minerals: Lead and silver, 200 tons per year. Building Materials: Sand and gravel. Agriculture and Livestock: Estimated annual production receipts total over 3.9 million. Forest Resources: Douglas Fir, 50 thousand acres, 300 million bd. ft.; Lodgepole Pine, 55 thousand acres, 555 million bd. ft.; Ponderosa Pine, 2 thousand acres, 4 million bd. ft.; Spruce, 15 thousand acres, 150 million bd. ft.

HAVRE

LOCATION Havre is the county seat of Hill County and is situated on the Milk River in north-central Montana, approximately 35 miles south of the Canadian border. Northern Montana College is located in Havre. Elevation: 2486 feet.

POPULATION (1960 census) 10,740, trade area 38,000.

CLIMATE Average maximum daytime temperature, July 83.9, January 24.1. Average relative humidity (summer) 40%. Average annual precipitation 12.88 inches. Length of growing season 132 days.

TRANSPORTATION Air: Frontier Airlines. Rail: Great Northern, main line. Truck Lines: United Truck Lines. Buses: Intermountain Bus Line, west and south; Missouri Trailways, east-west.

INDUSTRIAL SITES Industrial Development Corporation has 30 acres of excellent industrial property adjacent to Great Northern Railway trackage available for sale or lease at $150 an acre. Further information may be obtained from the Havre Chamber of Commerce.

WATER Maximum volume available on existing systems 3,000,000 gallons per day, and an undeveloped potential of $3\frac{1}{2}$ million gallons per day.

SEWAGE Municipal treating plant, interceptor type sewer, capacity 1,500,000 gals. per day.

POWER AND FUEL Power: Montana Power Co. (See Appendix I for Electrical and natural gas rates). Fuel: Fuel oil available through bulk plants, also lignite coal available.

TAX STRUCTURE Total property mill levy: County average (including averages of county, state and school) 109.46. Approximate total county levy adjacent to city 120.45; city (including county total adjacent to city) 164.23.

HOUSING AVAILABILITY Average cost per square foot, new $16.00, existing $14.00; average rental per 990 square feet, housing $100 per month, commercial $225.

COMMUNITY FACILITIES: Schools: Enrollment: Kindergarten 80, Elementary 2271, Junior High 550, High School 919, Northern Montana College 821. 18 churches, including practically all denominations; 2 hospitals, bed capacity of 166; 2 banks; 4 hotels; 11 motels; 1 Public Library; 2 newspapers; 1 radio-TV station; 5 parks; 4 theatres; 3 public halls. Recreation Facilities: 2 swimming pools, 3 tennis courts, country club, baseball field, five softball fields, 5 parks and playgrounds. Small and big game hunting available in immediate area. Two lakes and Milk River are fine for fishing. Bear Paw Ski Bowl is 30 miles south of Havre.

LABOR Prevailing unskilled wage $1.00 - $2.00 per hour; skilled wage $2.50 - $4.00 per hour. The predominant economic groups in rank file order are white-collar, farming and ranching, independent business, railroad and professional men. Total employment, male and female, year-around average 3,000.

MANUFACTURING 1 dairy and creamery, 1 bakery, 1 meat packing company, 1 flour mill and 1 feed mill.

NATURAL RESOURCES: Agricultural: Grain: $15,000,000 annual production. Livestock: $6,215,600 annual production.

HELENA

LOCATION Helena is the State Capital of Montana and the county seat of Lewis and Clark County. It is situated in west-central Montana, with mountains to the north, south and west, and plains to the east. Elevation: 4,100 feet.

POPULATION (1960 census) 20,277, trade area 35,000. An excellent distribution center for Great Falls, Missoula, Butte, Bozeman and Anaconda, which are all within a 100-mile radius.

CLIMATE Mean annual precipitation is 11.32 inches; average relative humidity, summer, 53%; average maximum daytime temperature, July 83.8, January 27.7 degrees; relatively little snow; prevailing wind direction, west.

TRANSPORTATION FACILITIES Air: Western Airlines (N-S), Northwest Airlines (E-W), freight handled on passenger planes. Rail: Northern Pacific Railway Company, main line; Great Northern Railway Company, branch line. Trucking Lines: Seven that haul all types of products. Buses: Intermountain (N-S), Canyon Lines (E-W) connects with Greyhound at Garrison and Three Forks. Pipeline: Yellowstone Pipe Line, jet, stove, diesel and gasoline.

INDUSTRIAL SITES Helena has zoned areas for industrial developments. The railways have surveyed the best properties. Details on site locations can be obtained from agents of the Northern Pacific, Great Northern and Helena Chamber of Commerce. The Industrial Committee of the Chamber of Commerce is active in industrial development and offers extensive cooperation in site selection, market research, and related subjects. The results of previous development efforts are a gradual increase in small industrial units, attainment of an ample

water supply, new airport, sewage disposal plant, sufficient school facilities and a good business climate.

WATER SUPPLY Unlimited. Maximum volume available on existing systems is 2,347,000,000 gallons per year from local sources plus 1,852,000,000 from Missouri River (Bureau of Reclamation). Approximately one-half of the available capacity is excess.

SEWAGE Capacity, 30,000 population. Mechanical sewage treatment plant plus chlorination of waste.

POWER AND FUEL Electricity and Natural Gas: Montana Power Company. (See Appendix I for rates.) Fuel: Coal from Roundup. Fuel oil available.

TAX STRUCTURE Total property mill levy - County average: (includes averages of county, state and school levies) 112.16. Approximate total county levy adjacent to city: 127.66; City (including county total adjacent to city) 183.35 mills.

HOUSING Average cost per sq. ft., new $14.00, existing $13.00 - $15.00; average rental per 990 sq. ft., housing $100.00, commercial $2.75 - $3.35 per sq. ft.

COMMUNITY FACILITIES Schools: Enrollment: 12 Elementary 2844, 2 Junior Highs 1277, 2 High Schools 1154, 1 College 725. 3 hospitals, bed capacity, 485. 3 banks, First National Bank and Trust Co., Union Bank and Trust Co., Commerce Bank. 26 churches, 26 hotels, 15 motels, Total capacity 2,000. 1 Public Library, 1 newspaper, 2 radio stations, 1 TV station plus cable service. 1 downtown theatre, 2 outdoor movies, a city auditorium with capacity of 2,500, and several school auditoriums. Recreation Facilities: 8 parks, excellent hunting and fishing are available in the immediate area. Three nearby artificial lakes and the Missouri River afford excellent swimming, water skiing, boating and fishing. Helena has an outdoor swimming pool, 4 tennis courts,

a 9-hole community golf course, an 18-hole private course, a baseball park, several playgrounds, and Pee Wee League Parks. The Belmont Ski area at Marysville (25 miles north) has two 1800 foot tows and one 900 foot lift.

LABOR Prevailing unskilled wage, $1.50 to $2.65 per hour; skilled $2.60 to $3.75 per hour. The predominate economic groups in rank order are white-collar workers, skilled labor, farming and ranching, professional and independent businessmen. Total employment, male and female, in Lewis and Clark County (year-around average) 9,312.

MANUFACTURING 10 manufacturers of agricultural products, 3 of beverages, 6 of concrete and clay products, 1 sawmill, 3 of fabricated wood products, 5 of metal fabrication; 1 smelter (East Helena), a fume refinery plant (East Helena), 5 miscellaneous manufacturers and 3 wholesalers.

NATURAL RESOURCES Mining: The geology and history of this area indicate large potential reserves of gold, silver, lead, copper, zinc and other non-ferrous metals. In 1960 the value of production for Lewis and Clark County was gold $5,000, silver $10,000, copper $11,000, lead $130,000, and zinc $1,414,000. Substantial reserves of limestone, sand and gravel, and high purity silica are available. Forest Products: The estimated timber reserves of the Helena National Forest are Douglas Fir 1,197 MBF, Lodgepole Pine 646 MBF, other (including Ponderosa Pine) 57 MBF. There is an excellent opportunity for a 10 MBF sawmill in Helena. Agriculture: Principal crops are hay, winter and spring wheat, potatoes and barley. Total cash receipts of agriculture for Lewis and Clark County in 1959 were $1,295,200; and for livestock and livestock products, $4,071,100.

KALISPELL

LOCATION Kalispell is the county seat of Flathead County, and is situated in Flathead Valley in northwestern Montana, 9 miles north of Flathead Lake, 32 miles from Glacier National Park, and 24 miles from Hungry Horse Dam. The Flathead Valley is broad and fairly level, fertile and, to a great degree, sub-irrigated. Elevation: 2,959 feet.

POPULATION (1960 census) 10,151, greater Kalispell 15,500, trade area 50,000.

CLIMATE Average maximum daytime temperature: July 82.1, January 28.0. Average annual precipitation 16.38. Length of growing season 120 days. Average frost-free days 149.

TRANSPORTATION FACILITIES Air: West Coast Airlines. Rail: Great Northern branch line. Trucking lines: 6 motor carriers. Buses: Intermountain Transportation Co., Brown Bus Lines, Great Northern. Pipelines: Natural gas, under construction.

INDUSTRIAL SITES Kalispell has an Industrial Development Corporation organized for promoting industrial expansion. Inducements offered new industries are abundant power and water and a good business climate. Results of previous development efforts are an aluminum and plywood plant. Sites: Industrial sites are available to the south and to the northeast, bordering on the Great Northern Railway line. All the sites are now farmland but are adjacent to good highways and adequate power and water. Further information may be obtained from the Kalispell chamber of commerce.

WATER SUPPLY Maximum volume available on existing systems 11,750,000 gallons per day. For industrial use a very large volume of water could be

drawn from the Flathead, Whitefish and Stillwater Rivers.

SEWAGE Municipal; will serve 18,000. Type, digester and flakulator.

POWER AND FUEL Power: Pacific Power and Light Co., Flathead Electric Cooperative. Average commercial rate .0185 per kwh, average industrial rate .01225 per kwh. Natural Gas: Pipeline under construction by Montana Power Co. Fuel: Fuel oil, coal, and sawdust available.

TAX STRUCTURE Total property mill levy (average): County (includes averages of county, state and school levies) 123.95; City (including county total) 164.95.

HOUSING Average cost per sq. ft: new, $12.00 to $16.00. Average rental per 990 square ft.: housing $65.00,commercial $150.00.

COMMUNITY FACILITIES Schools: Enrollment: Elementary, 1455, Junior High 484, High School 1,309. 2 banks and 1 Savings and Loan Association; 1 hospital with bed capacity of 125; 20 churches, including most denominations; 4 hotels; 28 motels; 2 Public Libraries; 2 newspapers; 2 radio stations, 1 TV cable, 1 TV booster, 2 TV translators; 3 theatres. Outdoor Recreation: 2 parks, a swimming pool, golf course, baseball field, playground, small and big game hunting in the immediate area, excellent trout fishing, boating and other activities on Flathead and other lakes close by. Winter Sports: Ice skating, skiing at Whitefish, ice fishing.

LABOR Per family income of community and trade area $4,410. Prevailing unskilled wage $1.00 to $2.64 per hour. Skilled, $3.25 to $3.55 per hour. Predominant economic groups of community in rank order; laborers, white-collar workers, independent businessmen, professional men, farmers and ranchers.

MANUFACTURING 1 aluminum plant at Columbia Falls, a plywood plant, various sawmills and forest products manufacturers, 1 manufacturer of trailers, campers and boats.

NATURAL RESOURCES Agriculture and Livestock Products: Cherries, small grains, peas, hay and potatoes, dairy cattle, beef cattle, sheep, swine and poultry. Forest Resources: The species in locality with reserves include: Fir and larch, over 4 billion board feet; Pine, over 1 billion board feet; Spruce, over 3 billion board feet; and almost 1 billion board feet of other. Present or annual allowable cut 147 million bd. ft.; Christmas trees.

LAUREL

LOCATION Laurel is located 15 miles west of Billings near the junction of the Yellowstone and Clark's Fork Rivers in south-central Montana, in Yellowstone County. Elevation: 3,263 feet.

POPULATION (1960 census) 4,601, trade area 15,000.

CLIMATE Average maximum daytime temperature: July 81.7, January 17.3. Average annual precipitation 13.31 inches. Length of growing season 128 days.

TRANSPORTATION FACILITIES Air: 20 miles to Billings airport, Northwest, Western and Frontier Air Lines. Rail: Northern Pacific, main line; Great Northern and Chicago, Burlington and Quincy, branch lines. Trucking Lines: 5, handle all types of freight. Buses: Greyhound and Intermountain. Pipelines: Cenex Pipeline Co., products; Yellowstone Pipeline Co., products; Humble, Glacier, Crude Oil Pipeline Co., crude oil.

INDUSTRIAL SITES Sites are located along the railroad tracks south of Laurel, including 40 plus acres of Northern Pacific Railroad land for lease, 80 plus acres of privately owned land for sale at $1,000 an acre, and unlimited amounts of land at $500 per acre. The Laurel Chamber of Commerce will furnish further details.

WATER Maximum volume available on existing systems 6,192,000 gallons per day. Large potential exists from Yellowstone and Clark's Fork Rivers.

SEWAGE Municipal. 2-18 inch lines serving industrial area. Digestion system.

POWER AND FUEL Power: Montana Power Co. (See Appendix I for rates).

Natural Gas: Montana-Dakota Utilities, average industrial rate 25¢ per 1000 cubic feet. Fuel: Coal obtainable from Red Lodge, 45 miles away. Fuel oil available.

TAX STRUCTURE Total property mill levy - County average: (includes averages of county, state and school levies) 93.48. Approximate total county levy adjacent to city: 121.00 mills; City (including county total adjacent to city) 168.00.

HOUSING Average cost per square foot, new $15; existing $10; average rental per 990 square feet, housing $75.00.

COMMUNITY FACILITIES: Schools: Enrollment: Elementary 920, capacity 1,000; Junior High 310, capacity 400; High School 470, capacity 500. 1 bank, 12 churches, 2 hotels, 6 motels, 1 Public Library, 1 newspaper, 2 theatres, 4 public halls. Outdoor Recreation: Small and big game hunting and fishing in immediate area. Swimming pool, 3 tennis courts, 1 ball park, 5 playgrounds. Boating on small lakes within 50 miles. Winter Sports: Skiing at Grizzly Peak 50 miles, chairlifts and lodge.

LABOR Average number employed in area (year-around) male 2000 (est.), female 500 (est.) Prevailing unskilled wage $0.75 to $2.07 per hour; skilled wage $1.75 to $3.50 per hour. Predominant economic groups in rank order: laborers, farmers and ranchers, white-collar workers, independent businessmen and professional men.

MANUFACTURING 1 oil refinery, railroad shops and yards, 2 ready-mix cement plants, 2 dairy products manufacturers and 1 lumber mill.

NATURAL RESOURCES Non-Metallic Minerals: Sand and gravel, crude oil. Agricultural and Livestock products: Sugar beets 6,200 acres, 100,000 tons; wheat 10,000 acres, 220,000 bushels; barley 8,000 acres, 250,000 bushels; cattle 40,000 head.

LEWISTOWN

LOCATION Lewistown is the county seat of Fergus County and is situated in the Judith Basin in central Montana on Big Springs Creek. The Judith and Moccasin Mountains are to the north, and the Big Snowies to the south. Elevation: 3,964 feet.

POPULATION (1960 census) 7,408; metropolitan area 9,600; trade area 25,000.

CLIMATE Average maximum daytime temperature: July 83.3, January 31.8. Average annual precipitation, 17.87 inches. Length of growing season, 108 days.

TRANSPORTATION FACILITIES Air: Frontier Air Lines. Rail: Milwaukee and Great Northern branch lines. Trucking Lines: 5 Motor Carriers. Buses: Greyhound. Pipeline: 20 miles west of town, products.

INDUSTRIAL SITES Lewistown has an industrial development corporation, Central Montana Industrial Development, Box 818, Lewistown, Montana. Full cooperation of the Chamber, businessmen and community is offered to any new industry. Results of previous development include aid to existing business and new industrial locations. There is plenty of room for industrial expansion in Lewistown. Several sites are owned by the Great Northern and Milwaukee Railroads and there are several hundred acres of private land adjacent to the city which could undoubtedly be purchased for industrial purposes. Water and sewer connections are now available for any property within the city limits and could be taken further out by construction of the necessary lines. A list of possible sites follows:

Great Northern: Site No. 1: A tract 250 x 100 feet which is fairly level and adjoins Big Springs Creek, on trackage and a city street. Power, sewage and water are available.

Site No. 2: An irregular shaped tract with the south side having 300 feet of frontage on the boulevard street. It is 125 feet on the east side, 400 on the west, and 425 on the north. The side is level and adjoins trackage. It has power, sewage and water available.

Site No. 3: A tract 350 feet long by 80 feet in average width. It is level, on trackage, and is adjacent to a truck by-pass. Power, water and sewage are available.

Site No. 4: An irregular shaped tract about 950 feet long with an average width of around 80 feet. It is level and power is available, but water and sewage connections would have to be made from the city limits. The site is available to trackage but is about one-half mile from the paved truck by-pass.

Milwaukee Railroad:

Site No. 5: A diagonal tract owned by the Milwaukee Road. It has 250 feet of frontage on Main Street, is 450 feet long and 125 feet at the narrow end. Their old passenger depot is on this land which is for lease or sale. It is level, and power, water and sewage are all available.

Site No. 6: Twelve lots 50 x 55 feet, all level, on trackage with a road nearby. Power, water and sewage connections would have to be made but are available within a short distance.

Site No. 7: Fourteen lots 50 x 60 feet owned by the Milwaukee. These lots are level, on trackage and adjacent to a road, with water, power and sewage proximity.

Private Land: Site No. 8: Approximately 60 acres lying north of the city and adjacent to the Great Northern. This is quite level land with access to railroad trackage and highway, also electric power lines. Water and sewage connections could be obtained by extension of lines from the city limits which would not be difficult in this area.

Site No. 9: About 100 acres west of Lewistown along the Milwaukee Road and truck by-pass. This is all rolling land. Electrical power would be readily available, and both water and sewage service could be obtained by extension of lines from the city limits, or in the case of water, by drilling artesian wells which are easily obtained.

Site No. 10: About 20 acres along the Milwaukee Road north of town on the north side of Big Springs Creek to which power, water and sewage connections could be extended from the city limits.

WATER SUPPLY Maximum volume in existing system 5,760,000,000 gallons per day; undeveloped potential from Big Springs Creek, 90 million gallons per day.

SEWAGE Capacity 2 million gallons per day; type, oxygen purification, sludge digestion.

POWER AND FUEL Power: For power and natural gas rates see Appendix I. (Montana Power Company). Fuel: Coal and oil available locally.

TAX STRUCTURE Total property mill levy: County Average (including averages of county, state and school) 108.49. Approximate total county levy adjacent to city 139.76; City (including county total adjacent to city) 180.56.

HOUSING Building costs and rents are on par with rest of cities in the State.

COMMUNITY FACILITIES Schools: Enrollment: Kindergarten 220, Elementary 1384 (capacity 1,475), Junior High 411, High School 702. 2 banks; 6 hotels; 8 motels; 1 Public Library; 1 newspaper; 1 radio station; 4 parks; 2 theatres; 5 public halls. Outdoor Recreation: Fishing, and small and big game hunting in immediate area; 2 tennis courts, 9-hole golf course, 6 baseball fields, numerous playgrounds, large swimming pool. Winter Sports: Skiing in nearby mountains, ice skating on nearby ponds.

LABOR Per capita income of community $2,071, trade area $2,145. Predominant economic group in county in rank order, farming and ranching, professional and independent businessmen, labor and white-collar workers. Average number of male and females employed, summer

3,000, winter 2,400. Prevailing unskilled wage $1.25 to $1.50 per hour; skilled $1.47 to $3.27 per hour.

MANUFACTURING AND PROCESSING Existing industries include a flour mill, feed mill, numerous small lumber mills and machine shops, one manufacturer of wall-board and plaster, two of dairy products, a honey plant and a cement plant.

NATURAL RESOURCES Metallic Minerals: Gold, iron, copper, silver, lead and zinc have been mined in the surrounding mountains. Non-Metallic Minerals: Kaolin, feldspar, refractory clay, bentonite, limestone, quartzite, marble, granite, oil shale, gypsum, manganese, and travertine are present in the area. Agriculture and Livestock: Estimated annual production: Crops $7,886,900; livestock $7,359,900.

LIVINGSTON

LOCATION Livingston, situated approximately 50 miles north of the northern entrance to Yellowstone National Park on Interstate Highway 90 (E-W) and U.S. Highway 89 (N-S), is the county seat of Park County; and the Yellowstone River, renowned for its trout fishing, flows nearby. Mountains are present to the south and west. Elevation of Livingston: 4,504 feet.

POPULATION (1960 census) 8,229, trade area 15,000.

CLIMATE Average maximum daytime temperature: July 85 degrees F., January 28 degrees F. Average humidity (yearly) 41%. Average annual precipitation 14 inches. Length of growing season 131 days. Prevailing wind direction, S.W.

TRANSPORTATION FACILITIES Air: Asphalt runways long enough to land DC-6's. Rail: Northern Pacific, main line. Trucking Lines: Northern Pacific Transport, Consolidated, and Mayflower, interstate carriers. Buses: Northern Pacific and Greyhound. Pipelines: Natural gas, Montana Power Company.

INDUSTRIAL SITES A group of Livingston businessmen, interested in attracting industry, has an unusual opportunity for an industrial site open to lease. The site is located 3 miles east of Livingston and is situated on the Northern Pacific Railroad main line, complete with spur track and large loading dock and only 2 miles from a modern airport. The site is approximately 60 acres with a graveled surface and has the following structures: One masonry factory building 60' x 200' with 20' walls and concrete floor; One two-story masonry building 100' x 160', both floors concrete and suitable for manufacturing or storage; 1 frame repair shop 40x60'; and a 60' x 500' Armco Steel building. All buildings are connected to

natural gas, water and power. 110,220 and 440 power available throughout the area. Ample water is available from existing well pumps on premises.

WATER Municipal system. Maximum volume available on existing systems 6 million gallons per day. Unlimited potential from wells and the Yellowstone River.

SEWAGE Municipal primary type system. Capacity, 4 million gallons per day.

POWER AND FUEL Power: Montana Power Co. and Park Electric Co-op. (See Appendix I for rate schedules). Natural Gas: The Montana Power Company (See Appendix I for rates). Fuel: Coal, bottled gas, and sawdust available locally.

TAX STRUCTURE Total property mill levy (average): County (includes averages of county, state and school levies) 97.83 milles; County (Adjacent to Livingston) 109.26 mills; City (including total county adjacent to city) 161.46 mills.

HOUSING Average cost: new $13 to $15 per square foot; existing $8 to $10 per square foot, estimated. Average rental per 990 square feet, housing $60 per month.

COMMUNITY FACILITIES Schools: 5 public and 1 parochial elementary; 1 Junior High, enrollment 2,056; 1 High School, enrollment 696. 2 banks, 1 hospital with a bed capacity of 58, 21 churches including all major denominations, 7 hotels, 4 trailer camps, 1 Public Library, a daily and a weekly newspaper, 2 theatres downtown and 1 drive-in, and six public halls. Outdoor Recreation: 3 parks, picnic grounds, tennis court, heated swimming pool, horse-shoe court, 9-hole golf course, shooting range, baseball fields, excellent small and big game hunting in the immediate area, and fishing in the Yellowstone River and various streams

and lakes nearby.

LABOR Median per family income of the community and trade area, $5,477. The predominant economic groups in the area in rank order are: laborers, farmers and ranchers, independent businessmen, white-collar workers, and professional men. Average number employed (year-around) 3,237; male 2,282, and female 955. Prevailing unskilled wage $1.25 to $2.73 per hour; skilled $2.63 to $3.60 per hour.

MANUFACTURING There are 4 manufacturers of finished lumber and these include: Burkland Studs, Canyon View Lumber, Livingston Lumber Company, and Park Lumber Company. The Livingston Marble and Granite Works manufactures building stones.

NATURAL RESOURCES Metallic Minerals: Gold, silver, lead, copper and tungsten. Non-Metallic Minerals: Travertine, est. 35 million tons; bituminous coal, est. 20,830,000 tons; sub-bituminous est. 10,400,000 tons; optical calcite. Building Materials: Sand and gravel in large quantities. Agricultural and Livestock Products (with estimated annual production): 102,300 tons of hay; 397,000 bushels winter wheat; 166,000 bushels spring wheat; 221,000 bushels barley; 148,000 bushels oats; 70,400 tons alfalfa; 50,000 head of cattle; 42,300 head of sheep; 2,118 hogs, and 40,000 chickens. Forest Resources:

Species	Acreage		Board Feet
Spruce and Alpine	Gov.	38,000	207,000,000
	Private	200,000	61,000,000
Lodgepole Pine	Gov.	104,000	655,000,000
	Private	39,000	227,000,000
Douglas Fir	Gov.	107,000	836,000,000
	Private	45,000	322,000,000
Hardwoods			400,000,000

MALTA

LOCATION Malta is the county seat of Phillips County, and is situated on the Milk River in north-central Montana. Elevation: 2330 feet.

POPULATION (1960 census) 2239, trade area 9,000.

CLIMATE Average maximum daytime temperature July 85.2; January 25.5. Average annual precipitation 12.5 inches. Length of growing season 142 days.

TRANSPORTATION FACILITIES Rail: Great Northern main line. Trucking Lines: United Freightways. Pipelines: Montana-Dakota Utilities, gas.

INDUSTRIAL SITES Numerous large undeveloped tracts. For further details write to the Malta Chamber of Commerce.

WATER Adequate.

SEWAGE Municipal, lagoon type disposal sewer system.

POWER AND FUEL Power: Big Flat Electric Co-op. Montana Power Company, (see Appendix I for rates). Natural Gas: Montana-Dakota Utilities, rate, 40¢ per 1000 cu. ft.

TAX STRUCTURE Total property mill levy - County average: (includes averages of county, state and school levies) 112.20. Approximate total county levy adjacent to city: 125.02 mills; City (including county total adjacent to city) 167.02 mills.

HOUSING Average cost per square foot of new housing $15.00. Average rental per 990 square feet, housing $65.00, commercial $110.00.

COMMUNITY FACILITIES Schools: Enrollment: Elementary 340, Junior High 110, High School 250. 1 hospital, bed capacity 30. 8 churches; 1 bank, First State Bank; 3 hotels, 5 motels, 1 Public Library, 1 newspaper, 1 park,2 theatres and 1 public hall. Recreation Facilities: Big and small game hunting in immediate area; also trout and pike

fishing. Boating, water skiing and fishing good at Nelson Reservoir. Swimming pool, baseball field and community playground; skating at public rink in winter.

LABOR Predominant economic groups, in rank order: Farmers and ranchers, independent businessmen, laborers, white-collar workers, and professional men.

MANUFACTURING AND PROCESSING Grain elevators, agricultural products.

NATURAL RESOURCES Principal resources are agricultural and livestock products, with $2\frac{1}{2}$ million dollar receipts from crops and 6 million from livestock products. Cattle 34,000 head, sheep 19,000 head, swine 1,800 head.

MILES CITY

LOCATION Miles City is located in southeast Montana on the Yellowstone River, and is the county seat of Custer County. Elevation: 2,360 feet.

POPULATION (1960 census) 9,665, trade area 15,000.

CLIMATE Average maximum daytime temperature: July 75 degrees, January 16.1 degrees. Average relative humidity (summer) 40.3. Average annual precipitation 13.79 inches. Length of growing season 150 days.

TRANSPORTATION FACILITIES Air: Frontier Airlines. Rail: Milwaukee, Northern Pacific Railway Co. Truck Lines: Consolidated Freight, Buckingham, Garrett Freight, N rthern Pacific Transport. Buses: Greyhound bus lines.

INDUSTRIAL SITES 2 sites totalling 53 acres available for lease from the city. Industrial Development Corporation in the development state. City actively seeking new industries. Inducements offered to new industries include low cost land. For details, write to the Miles City Chamber of Commerce.

WATER Maximum volume available on existing systems four million gallons per day. Unlimited potential readily available.

SEWAGE Municipal, lagoon type system, ample for 20 years for 15,000 people.

POWER AND FUEL For power see Appendix I for rates. Natural Gas: Industrial rates of 39¢ per 1000 cu. ft., 1st 6 million cu. ft., 34¢ thereafter.

TAX STRUCTURE Total property mill levy (average): County (includes averages of county, state and school levies) 102.26; City (including county total) 145.09.

HOUSING Average cost per square foot, new $13.85, existing $12.50. Average rental per 990 square feet, housing $90 to $100, commercial $150.

COMMUNITY FACILITIES Schools: Enrollment: Kindergarten 104, Elementary 394, Junior High 343, High School 878, Junior College 213. 2 hospitals, 235 bed capacity; 23 churches, all denominations; 2 banks; 7 hotels; 11 motels; 1 Public Library; 1 newspaper; 1 radio station; 4 parks; 2 theatres; 2 public halls, and auditorium and gym. Recreation Facilities: Big and small game hunting, fishing, boating, water skiing, swimming, ice skating, tennis courts, playgrounds, golf course, baseball fields.

LABOR Per family income of community approximately $5,500, trade area approximately $5,000. Prevailing unskilled wage $1.50 to $2.44, skilled wage $3.43 to $4.00. Average number employed (year-around) male 4,043, female 1,347. Predominant economic groups in area in rank order are farmers, ranchers, white-collar workers, skilled laborers, independent business and professional men.

MANUFACTURING AND PROCESSING M. C. Packing, Model Bakery, Rendering Co., Occident Elevator (Pellet Mill).

NATURAL RESOURCES Minerals: Lignite coal, unlimited supply. Agricultural and Livestock Products: Cattle, 32,000 to 33,000 head; sheep, 18,000 head; wheat, 200,000 to 250,000 bushels; sugar beets, 450,000 tons; alfalfa seed 190,000 lbs; hay 8,000 tons.

MISSOULA

LOCATION Missoula is the county seat of Missoula County and is situated in western Montana at the junction of Clark Fork and Bitterroot Rivers; and Missoula is primarily a lumbering center and the home of Montana State University. Elevation: 3,200 feet.

POPULATION (1960 census) 27,090, trade area 35,360.

CLIMATE Average maximum daytime temperature: July 85.1, January 30.0. Average annual precipitation 13.85 inches. Length of growing season 5 months.

TRANSPORTATION FACILITIES Air: Northwest. Rail: Northern Pacific, Milwaukee, main lines. Trucking Lines: 4 motor carriers. Buses: Two, Greyhound, Intermountain. Pipelines: Petroleum products.

INDUSTRIAL SITES Missoula has an Industrial Development Corporation established for promoting new industries. For details on sites write to the Missoula Chamber of Commerce.

WATER SUPPLY Municipal system. Unlimited underground water at approximately 100 ft., Clark Fork and Bitterroot Rivers not developed.

SEWAGE Municipal. Disposal plant bonds voted for.

POWER AND FUEL (See Appendix I for Power and Natural Gas rates). Montana Power Co. Fuel oil and coal shipped in. Sawdust locally available in large quantities.

TAX STRUCTURE Total property mill levy - County average: (includes averages of county, state and school levies) 119.62. Approximate total county levy adjacent to city: 150.30 mills; City (including county total adjacent to city) 208.35.

HOUSING Average cost per sq. ft.: new $16.00, existing $10.00. Average rental per 990 sq. ft.: housing $75.00, commercial $150.00.

COMMUNITY FACILITIES Schools: Enrollment: Elementary 7,700, capacity 8,200; High School 2,500, capacity 2,700; Montana State University 4,150, capacity 4,500. 3 banks, 4 hotels, 29 motels, 1 Public Library, plus library at Montana State University; 2 newspapers, 4 radio and 1 TV stations, 13 parks, 4 theatres. Outdoor Recreation: Small and big game hunting in immediate area, excellent trout fishing, complete program of water sports, swimming pools, tennis courts, golf courses, baseball fields, playgrounds available. 4 ski areas in vicinity.

LABOR Average number employed, male and female, summer 12,500, winter 10,000. Prevailing unskilled wage $1.00 - $2.00 per hour; skilled $2.00 - $4.00 per hour.

MANUFACTURING Pulp and paper plant, plywood plant, several sawmills and wood products manufacturers, feed and grain, sugar beet refinery and many other miscellaneous manufacturers.

NATURAL RESOURCES Non-Metallic Minerals: Barite, limestone, flourspar. Metallic Minerals: Gold, silver, copper, lead, zinc. Agriculture and Livestock: Extensive in valley: Sugar beets, barley, wheat, hay; beef cattle, hogs, sheep and chickens. Forest Resources: Missoula is a lumber center.

PLENTYWOOD

LOCATION Plentywood, the county seat of Sheridan County, is located in northeastern Montana, eighteen miles from the Canadian Border and 25 miles from North Dakota. Elevation: 2043 feet.

POPULATION (1960 census) 2121, trade area 15,000.

CLIMATE Average maximum daytime temperature: July 82 degrees, January 25 degrees. Average annual precipitation 13 inches. Length of growing season 118 days. Average relative humidity (summer) 70%.

TRANSPORTATION FACILITIES Air: City-County Municipal Airport, 3600 ft. paved, lighted runway. Rail: Great Northern Railway, main line; Soo Line, branch line (north part of Sheridan County). Truck: 2 interstate motor carriers that handle all types of products. 2 intrastate carriers. Buses: Daily service. Pipelines: Possibility of oil and natural gas lines.

INDUSTRIAL SITES Plentywood has an Industrial Development Committee under the Lions' Club. Inducements offered new industries or expansions include an excellent domestic labor situation and negotiation. Site 1: 100 acres bordering city and close to railroad on the southwest side of town. Site 2: 80 acres bordering town, airfield and railroad southeast of town. Site 3: 100 acres east side of town bordering Highways Nos. 5 and 16, and close to railroad.

WATER Maximum volume available on existing systems: 1750 gallons per minute on existing city wells. Unlimited potential from wells.

SEWAGE Municipal lagoon system with capacity for a population of 5,000.

POWER AND FUEL Power: Montana-Dakota Utilities and REA (Medicine Lake). Average commercial rate: 1,000 kwh @ 3.4¢, next 8,000 kwh @ 2.2¢. Average industrial rate: Over 10,000 kwh @ 1.6¢ per kwh. Fuel: Bot-

tled gas. Average industrial rate: propane, 16.5¢ per gallon; butane, 14¢ per gallon. Coal and fuel oil available.

TAX STRUCTURE Total property mill levy: County average (includes averages of county, state and school) 88.87 mills; approximate total county levy adjacent to city 142.92 mills; city (including county total adjacent to city) 188.92 mills.

HOUSING Average cost per sq. ft., new $13.00, existing $9.00. Average rental per 990 sq. ft: housing $75 per month, commercial $100 per month.

COMMUNITY FACILITIES Schools: Enrollment: Kindergarten 60, capacity 80; Elementary 500, capacity 600; Junior High 100, capacity 200; High School 200, capacity 350. 1 hospital, bed capacity 24; 13 churches; 1 bank; 3 hotels with 50 rooms; 3 motels with 47 rooms; 1 Public Library; 1 newspaper; new FM TV station; 2 parks; 2 theatres, and 5 public halls. Recreation: Small and big game hunting; 9-hole golf course; swimming pool.

LABOR Per family income of community $5,632, trade area $4,990. Average number employed (year-around): male 325, female 175. Prevailing wage rates: unskilled $1.10 to $1.50 per hour, skilled $1.40 to $2.25 per hour.

MANUFACTURING AND PROCESSING Bottling plant, creamery, feed pelleting and rolling mill, and meat processing.

NATURAL RESOURCES Non-metallic minerals: Lignite, vast quantities in veins up to 30 ft. thick; oil, 25 producing wells; salt, undeveloped; gas, undeveloped. Agriculture: Estimated annual production: Crops $6,364,000; livestock $1,825,000.

POLSON

LOCATION Polson is located in northwest Montana, on the south end and overlooking Flathead Lake, and is the county seat of Lake County. Elevation: 2940 feet.

POPULATION (1960 census) 2,314, trade area 4,000.

CLIMATE Average maximum daytime temperature: July 81.9 degrees, January 29.4 degrees. Average annual precipitation 14.68 inches. Length of growing season 136 days.

TRANSPORTATION FACILITIES Air: Private field for light aircraft. Rail: Northern Pacific, main line. Trucking Lines: 4 interstate that handle all products. Buses: Intermountain Transportation Co. and Northern Pacific Transport.

INDUSTRIAL SITES Chamber of Commerce has an Industrial Development Commission. Further details may be obtained from the local Chamber of Commerce.

WATER Maximum volume available on existing systems 1,850 gallons per minute. Undeveloped potential very large.

SEWAGE New lagoon sewage system under construction, and will be completed in 1962.

POWER AND FUEL Power: Montana Power Co. (See Appendix I for rates); and Bureau of Indian Affairs, St. Ignatius, Montana. Fuel: Fuel oil, coal, sawdust and wood available.

TAX STRUCTURE Total property mill levy: County average (includes averages of county, state and school) 123.95. Approximate total county levy adjacent to city 131.67; city (including county total adjacent to city) 165.92.

HOUSING Average cost per square foot, new $14.00, existing $8.00 to $9.00.

Average rental per 990 square feet, housing $40.00 to $60.00 per month, commercial $50.00 to $75.00 per month.

COMMUNITY FACILITIES Schools: Enrollment: Elementary 537, Junior High 167, High School 340. 1 hospital, bed capacity 50; 13 churches; 1 bank; 1 hotel; 1 Public Library; 1 newspaper, 1 theatre. Outdoor Recreation: Water sports and fishing excellent on Flathead Lake, and other lakes and streams nearby. Small and big game hunting locally. One swimming pool, beaches, picnic grounds. Winter skiing within easy driving distance.

LABOR Per family income of community $5,000 per year. Average number employed (year-around) male 774, female 194. Prevailing unskilled wage $0.75 to $2.50 per hour, skilled labor $1.85 to $3.75 per hour. Predominant economic groups in rank order are skilled laborers, white-collar workers, farmers and ranchers, independent business and professional men.

MANUFACTURING 1 plywood plant, several nearby sawmills.

NATURAL RESOURCES Agricultural and Livestock Products: Cherries, one million pounds; cattle, 2,000 head; small grain, 5,000 acres. Forest Resources: Present or allowable annual cut, 210 million board feet.

RONAN

LOCATION Ronan is situated in Lake County, in northwestern Montana, 12 miles from Flathead Lake. Elevation: 3,051 feet.

POPULATION (1960 census) 1,334, trade area 4,800.

CLIMATE Average maximum temperature, July 81.9, January 29.4. Average annual precipitation 14.66 inches. Length of growing season approximately 130 days.

TRANSPORTATION FACILITIES Rail: Northern Pacific branch line. Buses: Intermountain and Northern Pacific. Trucking Lines: Northwest, Northern Pacific and Figenshaw Transport Company.

INDUSTRIAL SITES There are several sites in area that might be available. The potential is good, and much Indian land is available. Further information on sites may be obtained from the Lake County Development Council. Results of past activity include new lumbering industries.

WATER Municipal water supply is ample.

SEWAGE Municipal, lagoon type disposal system with 12" main line, sufficient for a population of 5,000.

POWER AND FUEL Indian Irrigation Project, St. Ignatius, Montana, operated by Montana Power Co. Average commercial rate: 1st 50 kwhs 4¢ per kwh; over 50 kwhs, 2¢ per kwh. Average industrial rate: 50 kwh, 4¢ per kwh; 51-100 kwhs, 2¢ per kwh, over 100 kwhs, 1¢ per kwh.

TAX STRUCTURE Total property mill levy (average): County (includes averages of county, state and school levies) 123.95 mills; city (including county total) 150.45 mills.

HOUSING Average cost per square foot of new housing, $8 to $10. Average

rental per 990 square feet, housing $45 to $65, commercial $90 to $120.

COMMUNITY FACILITIES Schools: Enrollment: Elementary 512, High School 249. 1 hospital, bed capacity 28, equipment excellent; 6 churches; 1 bank, Ronan State Bank; 1 hotel; 4 motels; 1 Public Library; 1 newspaper; 1 park; 1 theatre. Recreation Facilities: Big and small game hunting excellent; fishing, water skiing and boating at Flathead Lake and various other lakes and streams. Winter sports: Skiing and tabogganing. Tennis courts, city playgrounds, baseball field, rodeo grounds.

LABOR Average number employed (year-around) male and female 960, plus farm laborers, 85. Prevailing unskilled wage (Union) $2.49; farm $1.25; skilled wage $3.25 to $3.85.

MANUFACTURING Plum Creek Lumber Co.; Polson Plywood; Dupois Bros. Lumber Co.; Danielson Bros. Stud Mill; Pitts Lumber Co.

NATURAL RESOURCES Agriculture and Livestock: Hay, winter and spring wheat, barley, oats, potatoes, sugar beets, apples 20,000 bushels, sweet cherries 1,800 tons, swine 5,400, sheep 16,900, cattle 50,500, dairy cattle 8,400. Forest Resources: Western Larcn 638.6 m. bd. ft.; Ponderosa Pine 422.6 m. bd. ft.; Englemann Spruce 231.3 m. bd. ft.; Douglas Fir 297.1 m. bd. ft.; total forest land - 536,646 A.

ROUNDUP

LOCATION Roundup is situated on the Musselshell River in central Montana, and is the county seat of Musselshell County. Elevation: 3,227 feet.

POPULATION (1960 census) 2,842, trade area 4,888.

CLIMATE Average daytime temperature, July 86.6, January 34.8. Average annual precipitation, 10.74 inches. Length of growing season 120 days.

TRANSPORTATION FACILITIES Air: Charter service available, municipal airport with 4,000 foot asphalt runway. Rail: Milwaukee Road, main line. Trucking Lines: 6 interstate motor carriers. Buses: Greyhound Bus Line.

INDUSTRIAL SITES Industrial acreage on trackage, some with buildings and several frame and brick buildings available. For further information on sites, write to the Roundup Commercial Club.

WATER Capacity on existing systems 2,234,400 gallons per day from Musselshell River, 2 wells and mine shaft. Present maximum demand 1,400,000 gallons per day. Water chlorinated and fluorinated; large reserve in mine shafts.

SEWAGE Municipal, lagoon disposal system adequate to receive additional industrial waste.

POWER AND FUEL Power: Montana Power Co. (See Appendix I for rates). Fuel: Bituminous coal mined locally. Fuel oil and butane available.

TAX STRUCTURE Total property mill levy (average): County (includes averages of county, state and school levies) 76.96; city (including county total) 113.96.

HOUSING Average cost per square foot: new, par with the rest of the State. Average monthly rental, housing $45 to $74 per month.

COMMUNITY FACILITIES Schools: Enrollment: 2 Elementary, 435; Junior High 146; High School 250. 1 hospital, capacity 21 beds; 3 rest homes, bed capacity 44; 8 churches; 3 hotels, 101 rooms; 6 motels, 95 beds; 2 theatres, 1 downtown and 1 drive-in; 1 Public Library; 2 public parks; 1 newspaper and 1 bank. Recreation Facilities: Fishing, small and big game hunting in local area, municipal swimming pool, golf course, saddle club, rifle range and a new bowling alley.

LABOR Predominant group of labor force engaged in coal mining and wholesale and retail manufacturing, with 75% of employees skilled.

MANUFACTURING AND PROCESSING Coal plants: Roundup Mining Co., Forstrom Coal Co., Nies Coal Co., Square Deal Coal Co., Western Coal Co., Divide Coal Co., Gildroy Coal Co.; and P.M. Coal Mine. Sealey Saw Mill, Yount Saw Mill, Darigold Creamery, Seitz & Bowers Processing Plant, Finco Cement Block Company.

NATURAL RESOURCES 9 oil fields, average 481,600 barrels per month; 8 operating coal mines, average 1,500 tons per day, with adequate coal reserves to increase production to meet demand. Good reserves of timber available in the area. Chief agricultural products or crops: Wheat, barley, oats, alfalfa seed, potatoes, onions, corn, grass seeds and hay. Some beets and beans. Livestock: Cattle, sheep, horses and hogs.

SCOBEY

LOCATION Scobey is situated in northeastern Montana, and is the county seat of Daniels County. Elevation: 2,458 feet.

POPULATION (1960 census) 1,650, trade area 4,500.

CLIMATE Average maximum daytime temperature, July 87, January 17.4 degrees. Length of growing season 95 to 110 days. Average annual precipitation 13.77 inches.

TRANSPORTATION FACILITIES Rail: Great Northern Railway Co., branch line. Trucking Lines: Williston, Scobey Transport, Northern Tank Lines, Rice Truck Lines. Buses: Great Northern.

INDUSTRIAL SITES Sites are located bordering railroad, near Poplar River and highways, with power available. The Lions and Commercial Clubs are active in industrial development, and will furnish additional information on sites.

WATER Maximum volume available on existing systems, 800,000 gallons per day. Undeveloped potential is at least twice present supply.

SEWAGE Septic tank disposal system; lagoon system in planning stage, and approved by the State Board of Health.

POWER AND FUEL Power: Montana-Dakota Utilities. (See Appendix I for rates). Fuel: Oil, coal and bottled gas available.

TAX STRUCTURE Total property mill levy - County average: (includes averages of county, state and school levies) 105.71. Approximate total county levy adjacent to city: 130.49 mills; city (including county total adjacent to city) 186.29 mills.

HOUSING Average cost per square foot of housing, new $14.00, existing $10.00. Average rental per 990 sq. ft., housing $60.00, commercial

$75.00.

COMMUNITY FACILITIES Schools: Enrollment: Elementary 408, capacity 510; High School 200, capacity 300. 1 hospital, with 22 bed capacity, 6 churches, 1 bank, 4 hotels, 1 motel, 1 Public Library, 1 newspaper, 1 park, 1 downtown and 1 drive-in theatre and 2 public halls. Recreation Facilities: Excellent trout fishing in numerous streams. Municipal facilities include a heated swimming pool, 1 golf course, 1 baseball field, lighted; a playground and curling rink, bowling alley, city park, rifle range, skeet range, and outdoor skating rink.

LABOR Average number employed (year-around) male 310, female 160; prevailing unskilled wage $1.50 to $2.75 per hour; skilled wage $3.00 to $4.50 per hour.

MANUFACTURING INDUSTRIES 1 feed mill, rolling and pelleting; 1 locker plant.

NATURAL RESOURCES Minerals: Lignite coal. Agricultural and Livestock Products: Winter and spring wheat, barley, safflower, oats and hay; cattle, sheep, hogs and horses.

SHELBY

LOCATION Shelby is the county seat of Toole County and is located in northwestern Montana at the intersection of Interstate Highway 15 (the ALCAN Highway) and U. S. Highway 2. Elevation: 3,285 feet.

POPULATION (1960 census) 4,017, trade area 10,300.

CLIMATE Average maximum daytime temperature: July 80.3, January 26.0. Average annual precipitation 11.5 inches. Length of growing season 118 days.

TRANSPORTATION FACILITIES Air: City-County Airport for private planes. Rail: Great Northern, main line. Trucking Lines: 5 motor carriers including both intrastate and interstate. Buses: Intermountain Transportation Co. and West South Park Line. Pipeline: Montana Power Co., natural gas.

INDUSTRIAL SITES City zoned with potential industrial sites on U. S. Highway 2 and Great Northern trackage. Industrial potential unlimited because of fast transportation in all directions. Site of N-S rail connections to the largest Customs Port of Entry between the State of Washington and Windsor, Ontario.

WATER SUPPLY 2 million gallons per day available on existing systems. New expansion now in process which is estimated to meet all requirements to 1985; water pumped from wells at Marias River, 7 miles away.

SEWAGE Sewage facilities adequate; lagoon type system.

POWER AND FUEL Power: Marias River Electric Co-op. Average commercial rate, 1.5¢ to 2¢ per kwh; average industrial rate 1¢ to 1.4¢ per kwh. Gas: Consumer owned Shelby Gas Association, 50¢ per MCF. Fuel Oil available locally.

TAX STRUCTURE Total property mill levy (average): County (includes averages of county, state and school levies) 97.66; City (including county

total) 139.82.

HOUSING Average cost per square foot of housing: new $15.50, existing $10.00. Average rental per 990 square foot, housing $100 per month plus utilities; commercial $2.75 per front foot.

COMMUNITY FACILITIES Schools: Enrollment: Kindergarten, 4 sessions of 25; Elementary 580, capacity 780; Junior High 155, capacity 420; High School 325, capacity 500. 1 hospital, bed capacity 30; 7 churches; 2 banks; 2 hotels; 10 motels; 1 Public Library; 2 newspapers; 1 radio station; 5 channel TB (by cable and reflector); 5 parks; 2 theatres; 1 public hall. Ice skating rink, 2 bowling alleys, swimming pools, tennis court, golf course, and baseball fields. Small and big game hunting in the immediate area; also trout and salmon fishing at several reservoirs, Tiber Dam and Marias River.

LABOR Estimated per family income of community in 1961 was $7,334.00. Predominant economic groups in rank order include white-collar workers, farmers and ranchers, laborers, independent businessmen and professional men. Prevailing unskilled wage $1.65 to $1.95, skilled $2.00 to $3.50 per hour.

MANUFACTURING AND PROCESSING Marias Packing Co., Shelby Stockyards, Newhouse Grain, Farmers Union G.T.A., Union Oil Refinery (18 miles west).

NATURAL RESOURCES Petroleum: Oil and gas. Building materials: Sand and gravel. Agriculture and Livestock: Mustard, wheat, barley and other grains with estimated annual production receipts of $9,139,300.00. Cattle and sheep estimated annual production receipts of $1,484,800.00.

SIDNEY

LOCATION Sidney is located on the Yellowstone River in eastern Montana, 10 miles from the North Dakota border, and is the county seat of Richland County. Elevation: 1,980 feet.

POPULATION (1960 census) 4,564, trade area 30,000.

CLIMATE Average maximum daytime temperature July 86.1, January 21.3; average annual precipitation 12.5 inches; length of growing season 121 days.

TRANSPORTATION FACILITIES Air: Frontier Airlines. Rail: Northern Pacific and Great Northern Railways, branch lines. Truck Lines: 10 motor carriers for all types of freight. Buses: Northern Pacific and Neville Transportation Co.

INDUSTRIAL SITES An Industrial Development Corporation is in the process of being formed. Results of previous development efforts are a State Experiment Farm and Soil Survey Laboratory, and jet fuel tank farm.

Sites:

Site 1: (Michelotto), 34 acres for sale at $500.00 per acre, close to railroad and highway.

Site 2: Lots available for lease on trackage.

Site 3: Lots available not presently on trackage.

WATER Maximum volume available on existing systems 2,500 gallons per minute. Undeveloped potential includes wells and water from the Yellowstone River.

SEWAGE Municipal, lagoon type with capacity of 1½ million gallons daily.

POWER AND FUEL Power: Montana-Dakota Utilities (See Appendix I for rates). Also Lower Yellowstone R.E.A. Industrial rates on special contracts. Natural Gas: Montana-Dakota Utilities, first 6 million cu. ft. per yr., 39¢ per 1000 cu. ft., 34¢ thereafter. Fuel: Lignite coal and fuel oil available locally.

TAX STRUCTURE Total property mill levy - County average: (includes averages of county, state and school levies) 114.87. Approximate total county levy adjacent to city: 151.47 mills; City (including county total adjacent to city) 199.47 mills.

HOUSING Average cost per square foot, new $13.00, existing $12.00. Average rental per 990 square feet, housing $75.00, commercial $100.00.

COMMUNITY FACILITIES Schools: Enrollment: Kindergarten 30; Elementary 965, capacity 800; Junior High 360,capacity 450; High School 375, capacity 500. 2 banks, Sidney National and Richland National. 1 hospital, bed capacity 90; 15 churches, 2 hotels 3 motels; 1 Public Library; 1 weekly newspaper; 3 radio and 2 TV stations; 2 theatres; 3 public halls. Outdoor Recreation: Small and big game hunting in immediate area. Small lake for boating; swimming pool, tennis courts, baseball park, golf course, 3 public parks.

LABOR Average number employed (year-around) male 800 (est.), female 475 (est). Prevailing unskilled wage $1.00 to $2.50 per hour. Skilled $2.50 to $4.50 per hour.

MANUFACTURING Sugar refinery and electric power plant.

NATURAL RESOURCES Non-Metallic Minerals: Lignite coal, 600 to 900 million tons. Agriculture and Livestock: Sugar beets, grains, hay, safflower, beef cattle, swine and sheep.

SUNBURST

LOCATION Sunburst is situated 9 miles south of the Canadian border in Northwest Montana on National Interstate Highway 15, the Alaskan-Canadian Highway, in Toole County. Elevation:3300 ft.

POPULATION (1960 census) 882, trade area 1,500.

CLIMATE Average maximum daytime temperature: July 82.5, January 28.0. Average annual precipitation: 11.5 inches. Topography: Smooth rolling hills formed by continental glaciation.

TRANSPORTATION FACILITIES Air: Small field suitable for small private craft. Rail: Great Northern Railway Co., main line. Trucking Lines: Great Northern, Consolidated Freight. Buses: Intermountain. Pipelines: Natural gas, and a crude oil pipeline. Sunburst is situated on National Interstate Highway 15 (N-S) and 26 miles north of U.S. Highway 2 (E-W). All highways are all-weather, oil surfaced and in good condition.

INDUSTRIAL SITES The Northern Development Association was organized to promote industrial development in Sunburst and Toole County. Sites:

1: 400 acres exist available for industrial use with the following facilities - water lines, hydrants, natural gas lines, electric power lines, Great Northern Railroad spur, and some buildings suitable for office space.

2: The city owns 2 square blocks near railroad and Interstate highway suitable for industrial development.

3: Numerous empty buildings are available for small shops or storage.

WATER SUPPLY Unlimited potential. Presently a municipal system with water obtained from wells. Resident cost, $7.00 per month.

SEWAGE Municipal, adequate for a population of 1,000. Disposal pond type. Easily expandable.

POWER AND FUEL Power: Marias River Electric Co-op. Rates: 1st 50 kwh,

$2.50; 2nd 50 kwh, 4¢ per kwh; 3rd 100 kwh, 2½¢ per kwh; after this, 1¢ per kwh. Natural Gas: Sliding rate, begins at 38¢ per 1000 cu. ft., low 16¢ per 1000 cu. ft. Fuel Oil: Available locally from Big West Refinery, 8 miles from Sunburst. Coal by rail.

TAX STRUCTURE Total property mill levy (average): County (includes averages of county, state and school levies) 97.66; city (including county total) 168.66.

HOUSING Surplus housing available. Purchase price ranges from $1,500 to $10,000 for a 2-bedroom house. Rent ranges from $50 to $90, including all types.

COMMUNITY FACILITIES Schools: Excess capacity in grade school, approximate additional space for 120 students; High School, additional space for 120 students. 3 churches, 1 hotel, 1 motel, 1 Public Library, 2 channel TV reflector and UHF. 1 park, 1 public hall. Recreation Facilities: Small and big game hunting in the immediate area, trout and pike fishing, swimming pool, ice skating, baseball diamonds, golf course, pistol and rifle club and range.

LABOR Surplus in area of unskilled. Minimum hourly wage, unskilled $1.00 to $2.50; skilled $2.54 to $3.61.

MANUFACTURING AND PROCESSING Petroleum products, 8 miles to Big West Refinery. G.T.A. Elevator, Montana Elevator Co., Newhouse Grain and Newhouse Mustard.

NATURAL RESOURCES Natural Gas and Oil: The Kevin-Sunburst oil field 1961 gas production in MCF was 1,074,342, oil production 666,303 bbls. Agriculture and Livestock: Large farming installations, growing 87% of the world's mustard. Also, wheat, oats, barley, rye and other grains for marketing and feed. Large ranches with feed lots. Building Materials: Sand and gravel deposits.

SUPERIOR

LOCATION Superior is the county seat of Mineral County and is located in western Montana. Elevation: 2,760 feet.

POPULATION (1960 census) 1,200, trade area 3,037.

CLIMATE Average maximum daytime temperature July 88.1, January 32.8. Annual precipitation 15.43 inches. Length of growing season 122 days.

TRANSPORTATION FACILITIES Rail: Milwaukee Railroad, main line; Northern Pacific, branch line. Trucking Lines: United Freight Lines, Consolidated, and Northern Pacific. Buses: Greyhound.

INDUSTRIAL SITES Twenty-four acres in six sites near railroad trackage, highway and utilities, for sale. For details on sites, write to the Superior Chamber of Commerce.

WATER Existing system sufficient. Enormous undeveloped potential.

SEWAGE All individually or collectively owned.

POWER AND FUEL Power: Electricity, Montana Power Company (See Appendix I for rates). Gas: Solar Gas Co. and Petrolane Company, bottled gas.

TAX STRUCTURE Total property mill levy: County average: (includes averages of county, state and school levies) 113.61. Approximate total county levy adjacent to city: 155.51 mills; city (including county total adjacent to city) 198.80 mills.

HOUSING Average cost per square foot of housing: new $10.00, existing $8.00. Average rental per 990 square feet: housing $70.00, commercial $100.00.

COMMUNITY FACILITIES Schools: Enrollment: Kindergarten 20, Elementary 287, High School 109; (a new high school building was completed in September, 1962). 1 hospital, bed capacity 25; 7 churches; 1 bank;

2 hotels; 2 motels; third under construction; 1 Public Library; 1 newspaper; 2 parks; 1 theatre. Recreation Facilities: Big and small game hunting, fishing for practically all fresh water fish, skiing at Lookout Pass. One new heated swimming pool, baseball park, and two playground areas.

LABOR Average number employed (year-around) male 350, female 100; prevailing unskilled wage $1.95 to $2.20; prevailing skilled wage $2.20 to $3.64.

MANUFACTURING 2 lumber mills, plus 5 related logging contractors; 1 metal mine; 1 agricultural processing plant.

NATURAL RESOURCES Minerals: Metallic: Gold, silver, lead and zinc. Non-Metallic: Flourspar, quartz and mica. Agricultural and Livestock Products: Small grains, beef, dairy, poultry and pork. Forest Resources: Fir and Larch, Spruce, Cedar, Ponderosa and Lodgepole pine, Total 850,000 acres, 425,000,000 bd. ft. Present or allowable cut per year 60,000,000 bd. ft. on 5860 acres.

THREE FORKS

LOCATION Three Forks is situated in southwest Montana in Gallatin County, near the junction of the Gallatin, Madison and Jefferson Rivers, which form the Missouri River. Elevation: 4080 feet.

POPULATION (1960 census) 1161, trade area 5000.

CLIMATE Average daytime temperature, July 83.2, January 27.7. Average annual precipitation 12 inches. Length of growing season 130 days.

TRANSPORTATION FACILITIES Air: 27 miles to Bozeman airport, Northwest Airlines. Rail: Northern Pacific and Milwaukee Road, main line. Trucking Lines: Many interstate motor transports pass through Three Forks. Buses: Greyhound and Canyon Lines. Pipeline: Yellowstone Pipeline, products, 8 miles from town.

INDUSTRIAL SITES Community is anxious for industry, and is willing to help any industry find land. Results of previous efforts include a talc mill, feed yard, and block plant. Details on plant sites may be obtained from the Three Forks Chamber of Commerce.

Site 1: Pulp plant site. 7 to 10 miles north of town on Missouri River.
Site 2: Potato processing site.
Site 3: Lumber processing site, 3 miles north of town on Missouri River and Jefferson River.

All the sites are of ample size, very moderate in cost, and excellently located.

WATER Municipal system; unlimited undeveloped potential.

SEWAGE Municipal lagoon type, capacity for population of 5,000.

POWER AND FUEL Power and Natural Gas: Montana Power Co. (See Appendix I for rates). Fuel: Coal and fuel oil transported in. Sawdust available locally.

TAX STRUCTURE Total property mill levy (average): County (includes averages of county, state and school levies) 101.47; city (including

county total) 147.47.

HOUSING Average cost per square foot of housing, new $12, existing $8. Average rental per 990 square feet, housing $55, commercial $100.

COMMUNITY FACILITIES Schools: Enrollment: Elementary 210, capacity 300; High School 100, capacity 150. 3 churches, 1 bank, 4 hotels, 2 motels, 1 Public Library, 1 newspaper, 1 theatre. Recreation Facilities: Madison, Gallatin, Jefferson and Missouri Rivers all within 3 miles of town. Fishing and hunting of big and small game excellent. Ski run with lift, 40 miles from town. Tennis courts, ball fields, golf course, and playground with wading pool.

LABOR Prevailing unskilled wage $1.50 to $3.00; skilled wage $2.00 to $4.50. Average number employed (year-around) male 700, female 100. Predominant economic groups (in rank order) farming and ranching, labor and business and professional men.

MANUFACTURERS Sierra Talc Co.; Builders Products, pumice and cinder blocks. Cattle feed yards, capacity of 15,000 head.

NATURAL RESOURCES Minerals: Lime, iron, copper, talc. Agricultural and Livestock Products: 16,000 sheep, 50,000 cattle. Grains and hay grown in vicinity.

TOWNSEND

LOCATION Townsend, situated in west-central Montana on the Missouri River and Canyon Ferry Reservoir, U. S. Highway 12 and Interstate 287, is the county seat of Broadwater County. Elevation: 3,860 feet.

POPULATION (1960 census) 1,528, trade area 10,000.

CLIMATE Average maximum daytime temperature July 84.7, January 25.4. Average annual precipitation 11.67 inches.

TRANSPORTATION FACILITIES Air: Two commercial airlines at Helena, 33 miles distant. Townsend has an airport with a 4,000 foot seat coat asphalt runway. Rail: Northern Pacific and Milwaukee Road, main lines. Truck Lines: 4 interstate motor carriers and 2 local carriers. Buses: Greyhound and Canyon Line. Pipeline: Yellowstone Pipeline Co., products.

INDUSTRIAL SITES Full cooperation of community and the Townsend Development Co. can be expected to any industry wishing to locate in Townsend or in Broadwater County. Sites:

Site 1: 10 acres for lease or sale at $100 per acre, north of town near highway, railroad, and Missouri River.

Site 2: 10 acres for lease or sale at $100 per acre, north of town near Missouri River, railroad and highway.

Site 3: 10 acres for lease or sale at $500 per acre, east of town near airport, highway and railroad.

Site 4: 10 acres for lease or sale at $125 per acre, south of town near road and railroad.

Site 5: $\frac{1}{4}$ acre for lease or sale at $2,000 on highway and railroad northwest of town.

Site 6: $\frac{1}{4}$ acre for lease at $100 per year on railroad west of town.

Larger acreages are available.

WATER Maximum volume on existing systems 17,050 gallons per minute. Large undeveloped potential from Missouri River.

SEWAGE Municipal, 20 acre lagoon with capacity of 2,200 to 3,000 gallons

per minute (present excess capacity, 1,600 gallons per minute.)-

POWER AND FUEL Power: R. E. A., 6¢ per kwh, and Montana Power Co. (See Appendix I for rates). Gas: Petrolane Gas Service and Montana Propane. Natural Gas: Nearest source 35 miles from Townsend. Fuel: Oil, sawdust, coal and wood.

TAX STRUCTURE Total property mill levy (average): County (includes averages of county, state and school levies) 93.43; City (including county total) 158.43.

HOUSING Average cost per square foot of housing, new $12 to $14, existing $6 to $10. Average rental per 990 square feet: housing $40 - $60, commercial $75.

COMMUNITY FACILITIES Schools: Enrollment: Kindergarten 12, capacity 16; Elementary 393, capacity 400; High School 205, capacity 240. 1 hospital, bed capacity 31; 6 churches; 1 bank; 2 hotels; 2 motels; 1 Public Library; 1 weekly newspaper; 3 parks; 1 theatre; 8 public halls. Recreation Facilities: Small and big game hunting, fishing in Canyon Ferry Reservoir, Missouri River and numerous streams; baseball park, playgrounds and three parks. Winter Sports: Skiing, skating, tabogganing, ice fishing and ice boating.

LABOR Prevailing unskilled wage: $0.90 to $1.25 per hour, skilled wage $1.50 to $4.00 per hour. Average number employed (year-around) male 250, female 100. No local unions.

MANUFACTURING Northern Milling Co., metals and ore processing; Ralls-Harris Bros., metals (mining); Townsend Lumber, forest products.

NATURAL RESOURCES Metallic Minerals: Gold, silver, lead, zinc, iron, tungsten, thorite, lead, copper, zinc and uranium. Non-Metallic

Minerals: Limestone, coal, rumicite, phosphate, sand and gravel, graphite, fluorite, diatomite, bentonite. Agricultural and Livestock Products: Wheat, barley, corn, oats, potatoes, hay, and sugar beets. 30,600 head of cattle and calves, 15,300 head of sheep and lambs, 900 head of hogs and pigs. Forest Products: 381,565,000 board feet of Lodgpole Pine, Ponderosa Pine, Douglas and Alpine Fir, and Spruce.

COMMUNITY DEVELOPMENT GROUPS Townsend Development Company, Area Development Committee (Townsend Chamber of Commerce), Industrial Development Committee (Rotary Club) and the Rural Area Development Program (County Agent).

WHITE SULPHUR SPRINGS

LOCATION White Sulphur Springs is located in central Montana and is the county seat of Meagher County. Elevation: 5,200 feet.

POPULATION (1960 census) 1,519, trade area 2,100.

CLIMATE Average maximum daytime temperature, July 80.8, January 29.3. Average annual precipitation 19.14 inches. Length of growing season 100 days. Prevailing wind direction, east.

TRANSPORTATION FACILITIES Rail: Milwaukee, and White Sulphur Springs and Yellowstone, branch lines. Trucking Lines: United Freight Lines. Buses: Canyon Transportation Co.

INDUSTRIAL SITES 14 acres located bordering railroad tracks and near highway. Further information on sites may be obtained from the White Sulphur Springs Rotary Club.

WATER Supply adequate.

SEWAGE Settling ponds.

POWER AND FUEL Power: Montana Power Co. (See Appendix I for rates). Fuel: Oil, coal and propane gas available locally.

TAX STRUCTURE Total property mill levy - County average: (includes averages of county, state and school levies) 84.57. Approximate total county levy adjacent to city: 110.50 mills; City (including county total adjacent to city) 156.50.

HOUSING Average cost per square foot of housing, new $9.00, existing $6.00. Average rental per 990 square feet, housing $50.00.

COMMUNITY FACILITIES Schools: Enrollment: Elementary and Junior High 247, capacity 250; High School 143, capacity 170. 1 hospital, 12 bed capacity; 8 churches; 1 bank; 2 hotels, 5 motels; 1 Public Library; 1 newspaper, 1 park and 1 theatre. Recreation Facilities: Fishing, small and big game hunting locally avail-

able, also swimming, skating at Sutherland, Harris, Cottonwood, and Camas Lakes; Smith, Musselshell, Cottonwood, Spring, Muvland and Sixteen Rivers. Tennis, baseball, skating, sleigh riding and skiing available.

LABOR Per family income of community $4,500, trade area $6,000. Average number employed (year-around) male 500, female 50. Prevailing unskilled wage $1.00 to $4.50; skilled $2.50 to $8.00 per hour.

NATURAL RESOURCES Forest Products: Lodgpole pine, 200,000 acres; Fir, 50,000 acres. Present or allowable annual cut 10,000,000 bd. ft. Livestock: 50,000 cows, 40,000 ewes, 40,000 calves, 35,000 lambs.

WHITEFISH

LOCATION Whitefish is situated 27 miles from Glacier Park in Flathead County in northwestern Montana. Elevation: 3030 feet.

POPULATION (1960 census) 2,965, trade area 5,302.

CLIMATE Average maximum daytime temperature: July 80 degrees, January 28 degrees; average annual precipitation 15.07 inches. Length of growing season 120 days.

TRANSPORTATION FACILITIES Air: West Coast Airlines. Rail: Great Northern, main line. Trucking Lines: 2 interstate motor carriers. Buses: Great Northern.

INDUSTRIAL SITES The Whitefish Development Corporation can negotiate industrial sites for new industries. Sites: All are located on either side of Great Northern trackage:

Site 1:	5 acres for lease at $300 per year.
Site 2:	23 acres for sale at $4,750.
Site 3:	Many acres for sale at $100 to $200 per acre.
Site 4:	Many acres for sale at $100 to $200 per acre.

WATER 75 billion gallon reservoir, daily consumption 1.5 million gallons. Unlimited potential.

SEWAGE Municipal lagoon system.

POWER AND FUEL Power: Pacific Power and Light. 4.0¢ per kwh for the first 150 kwh; 3.0¢ per kwh for the next 350 kwh; 2.0¢ per kwh for the next 1,500 kwh; 1.0¢ per kwh for the next 13,000 kwh; 0.9¢ per kwh for the next 25,000 kwh; 0.7¢ per kwh for the next 200 kwh per kw of demand; 0.6¢ per kwh for all additional kwh. Natural Gas: Pipeline under construction by Montana Power Company. Fuel: Propane bottled gas and fuel oil available.

TAX STRUCTURE Total property mill levy (average): County (includes

averages of county, state and school levies) 115.06; city (including county total) 172.06.

HOUSING Average cost per square foot of housing - $14.00.

COMMUNITY FACILITIES Schools: Enrollment - Kindergarten 20, Elementary and Junior High 1912, High School 342; 11 churches; 1 hospital; 1 bank; 3 hotels; 7 motels; 1 Public Library; 1 newspaper; 2 radio stations from Kalispell; 3 TV channels from Spokane; 2 parks; 1 theatre; 1 public hall. Recreation Facilities: Small and big game hunting, and good fishing in local area. Whitefish Lake and other lakes provide water sports. Ice fishing and ice skating in winter. Municipal Facilities: Golf course, tennis court, city beach for swimming and boat facilities, 2 baseball fields, 2 golf driving ranges and rifle range.

LABOR Prevailing unskilled wage: $1.75 to $2.00 per hour; skilled wage $2.00 to $3.00 per hour.

MANUFACTURING AND PROCESSING: Montana Products, 2 x 4 and plywood; Fencemakers' Corp. of America, fences; Whitefish Block Shop, concrete; Van Aken Gardens, truck garden.

NATURAL RESOURCES Agricultural and Livestock Products: Winter and spring wheat, barley, hay, potatoes, oats. Forest Resources: Ponderosa Pine 27,527 in bd. ft.; Spruce and Alpine Fir 227,756 acres, 347,276 in bd. ft.; Larch and Douglas Fir, 932,721 in bd. ft.; Lodgepole Pine and White Bark Pine, 102,205 in bd. ft.; Hardwood, Aspen and Cedar 8,729 in bd. ft. Present or allowable annual cut: 22.8 million bd. ft.; saw timber 8 million cords of pole size.

WHITEHALL

LOCATION Whitehall is located in Jefferson County in southwestern Montana. Elevation: 4,600 feet.

POPULATION (1960 census) 898, trade area 4,000.

CLIMATE Average maximum daytime temperature, July 83.4, January 31.4. Average relative humidity (summer) 30%. Average annual precipitation 10.1 inches. Length of growing season, 4 months.

TRANSPORTATION FACILITIES Rail: Northern Pacific, C.M. St. P. & P., main lines. Trucking Lines: Northern Pacific and Garret Lines. Buses: Greyhound and Northern Pacific. Pipeline: Natural gas.

INDUSTRIAL SITES: All sites are close to the Northern Pacific main line and U. S. Highway 10. Inducements offered new industries include a possible tax refund and labor pool. For further information on sites, write to the Whitehall Chamber of Commerce.

Site 1: 3½ acres for lease, or for sale at approximately $5,000.
Sites 2 and 3: 29 acres.

WATER 1000 gallons per minute maximum volume available on existing systems. Potential is large from underground water source.

SEWAGE Municipal, lagoon type disposal system has capacity for 2000 population.

POWER AND FUEL Power: Montana Power Company. (See Appendix I for rates); natural gas also available.

TAX STRUCTURE Total property mill levy (average): County (includes averages of county, state and school levies) 107.83 mills; City (including county total) 139.83 mills.

HOUSING Average cost per square foot of housing, new $12, existing $8.00. Average rental per 990 square feet, housing $55.00, com-

mercial $90.00.

COMMUNITY FACILITIES Schools: Enrollment: Elementary 128, High School 160. 2 churches, 1 bank, 2 hotels, 3 motels, 1 Public Library, 1 newspaper, 1 park, 1 theatre, 1 public hall and 2 lodge halls. Recreation Facilities: Small and big game hunting in immediate area. Fishing, swimming and water skiing in local area. Baseball field and equipment.

LABOR Per family income of community $4,000, trade area $5,000. Average number employed (year-around) male 55, female 25. Prevailing unskilled wage $200 to $325 per month, skilled wage $300 to $550 per month.

MANUFACTURING AND PROCESSING Saw mill, feed lot, creamery, slaughter house.

NATURAL RESOURCES Forest Products: Lodgepole Pine, 67,876 acres, 59,121 MBF; Douglas Fir, 52,772 acres, 49,911 MBF; Engleman Spruce, 1,591 acres, 1,542 MBF; Whitebark Pine, 4,607 acres, 4,137 MBF; Other, 47 acres, 10 MBF. Present or allowable annual cut, 5 million board feet. Agricultural and Livestock Products: (1959) $1,190,300 in receipts.

WIBAUX

LOCATION Wibaux is located in eastern Montana, 8 miles from the North Dakota border, and is the county seat of Wibaux County. Elevation: 2,634 feet.

POPULATION (1960 census) 766, trade area 2,500.

CLIMATE Average maximum daytime temperature July 84.2, January 27.4. Average annual precipitation 15.04 inches. Length of growing season 5 months.

TRANSPORTATION FACILITIES Air: Frontier Airlines at Glendive, 28 miles distant. Rail: Northern Pacific Railway Co., main line. Trucking Lines: Mayflower, Garret Freight Lines, Consolidated Freight Lines. Buses: Greyhound. Pipelines: Montana-Dakota Utilities, natural gas; Union Texas, natural gas gathering lines to propane plant; Shell Pipe Line, oil.

INDUSTRIAL SITES Information can be obtained from the Mayor of Wibaux on details being compiled on sites. The Lions and Boosters Clubs have worked toward industrial development. Results of these efforts include a propane refinery and R.E.A. Headquarters.

WATER SUPPLY Municipally owned deep wells; pumps furnish adequate, pure, natural soft water at 260 gallons per minute, and an unlimited supply if more wells are drilled.

SEWAGE Sufficient to serve 1,600 people. Converting to lagoon.

POWER AND FUEL Power: Montana-Dakota Utilities Co. Rates: 1st 300 kwh at 6¢ per kwh, next 300 at 5¢, next 400 at 4.3¢, next 1,000 at 3.4¢, next 8,000 at 2.2¢, over 10,000 at 1.6¢. Natural Gas: First 6,000 cu. ft. per mo., 85¢ per 1,000 cu. ft., all over 100,000 cu. ft. per mo., 49¢ per 1,000 cu. ft.

TAX STRUCTURE Total property mill levy - County average: (includes

averages of county, state and school levies) 58.55 mills. Approximate total county levy adjacent to city: 64 mills; city (including county total adjacent to city) 92 mills.

HOUSING Average cost per sq. ft. of housing: new $10 to $11; existing $5 to $11. Average rental per 990 sq. ft.: housing, $80 to $100 per mo.; commercial $100 to $120 per month.

COMMUNITY FACILITIES Schools: Enrollment: Elementary 225, capacity 325; Junior High 70, capacity 125; High School 100, capacity 150. 30 mins. to hospital in Glendive and 15 mins. to hospital in Beach, North Dakota. 5 churches, 1 bank, 3 hotels, 2 motels, 1 Public Library, 1 weekly newspaper, 2 parks, 1 theatre, 3 public halls. Recreation Facilities: Fishing and big and small game hunting locally. Swimming and fishing at Lamesteer Wildlife Refuge and Reservoir, Yellowstone River, Beaver Creek, various dams and reservoirs. In winter, skiing and skating. Swimming pool (in planning and fund-raising stage), tennis courts, baseball field, playgrounds at schools and parks, horseshoe courts.

LABOR Predominant economic groups in area in rank order are: farmers and ranchers, laborers (skilled and unskilled), white-collar workers, independent business and professional men. Prevailing unskilled wage $75 to $150 per month, plus room and board; farm laborers: skilled wage $359 to $700 per month.

MANUFACTURING AND INDUSTRIES Propane and other oil by-products refinery (Union Texas Natural Gas); oil wells, gas wells; lignite coal mines. The Pine Unit Oil Field had the greatest oil production in the State in 1958.

NATURAL RESOURCES Metallic Minerals: Hematite, septaria in small quantities. Semi-precious stones: Agate, jasper, quartz and calchedony; barite crystals. Non-Metallic Minerals: Oil -- 100,000,000 bbls, in Pine Unit; gas, nearly one billion cubic feet produced annually; lignite coal, estimated reserves upwards of 7 billion tons; ceramic clays, scoria, petrified wood, and sandstone. Agriculture and Livestock: Wheat 45,000 acres; fallow 47,000 acres; barley 12,000 acres; oats 7,600 acres; corn 14,500 acres; safflower 1,000 acres; flax 500 acres; alfalfa 2,700 acres; other feed crops 4,500 acres; dairy cattle 418; beef cattle 10,237; sheep 6,677; swine 272; horses 452. Forest Resources: Juniper, cottonwood, box elder, wild fruit trees.

WOLF POINT

LOCATION Wolf Point is situated in northeastern Montana on the Missouri River, and is the county seat of Roosevelt County. Elevation: 1,980 feet.

POPULATION (1960 census) 3,585, trade area 11,781.

CLIMATE Average maximum daytime temperature, July 87.8, January 22.4. Average relative humidity (summer) 30%. Average annual precipitation 13.5 inches. Length of growing season 114 days. Prevailing wind direction, westerly.

TRANSPORTATION FACILITIES Air: Frontier Airlines. Rail: Great Northern Railway Co., main line. Trucking Lines: Hart Motor Express. Buses: Northern Star Lines.

INDUSTRIAL SITES Industrial Development Corporation has $13,000 paid in capital, $200,000 authorized, is progressive and interested in growth. Results of previous development efforts have been an oil refinery and rolling mill. Many ideal industrial sites available with utilities and railroad connected:

Site 1: 40 acres, for lease or for sale at $4,000.
Site 2: 20 acres, for lease or for sale at $2,000.
Site 3: 5 acres, for lease or for sale at $5,000.
Site 4: 8 acres, for lease at $200 per year.
Site 5: 8 acres, for lease at $200 per year.
Site 6: 20 acres, for lease at $100 per year.

WATER Maximum volume available on existing systems is 900,000 gallons. Undeveloped potential includes Missouri River water and well supply.

SEWAGE 40 acre lagoon type disposal system with capacity of over 200,000 gallons per day.

POWER AND FUEL Power: Montana-Dakota Utilities (See Appendix I for rates). Natural Gas: First 6 million cu. ft. per year, 35¢ per 1000 cu. ft., over 6 million cu. ft. per year., 30¢ per 1000 cu. ft. Fuel: Coal,

sawdust, and oil available.

TAX STRUCTURE Total property mill levy (average): County (includes averages of county, state and school levies) 92.31 mills; City (including county total) 140.81.

HOUSING Average cost per square foot of housing, new $10.00, existing $7.00.

COMMUNITY FACILITIES: Schools: Enrollment: Kindergarten 32, capacity 40; Elementary 700, capacity 750; Junior High 200, capacity 250; High School 320, capacity 400. 1 hospital, bed capacity 42; 13 churches, 2 banks, 2 hotels, 5 motels with 97 units, 1 Public Library, 1 newspaper, 1 radio station, 2 parks, 2 theatres, 1 downtown and 1 drive-in movie, ample public halls. Recreation Facilities: Fishing in the Missouri River, small and big game hunting in the immediate area, skiing and winter sports in the local area. 2 swimming pools, 2 tennis courts, 1 new 9-hole golf course, 2 baseball fields, 3 playgrounds.

LABOR Per capita income of community $2,789.00, trade area $2,954.00. Average number employed (year-around) 700. Prevailing unskilled wage $1.00 to $1.50, skilled wage $1.50 to $2.50.

MANUFACTURING AND INDUSTRIES Oil Refinery and Feed Plant.

NATURAL RESOURCES Non-metallic Minerals: Bentonite, lignite, oil, gas, salt. Agricultural and Livestock Products: Wheat, corn, barley, oats, rye, flax and safflower. Wheat production annual receipts $15,646,000. Annual beef, sheep and hog receipts $2,657,125.

APPENDIX I

PUBLIC SERVICE COMMISSION OF MONTANA

The Montana Power Company | Schedule R-57 | Residential Electric Service

* *

Available For: All domestic purposes in single private dwellings and individual family apartments.

Type of Service: Single phase, 120 volts, 2 wire, or 120/240 volts, 3 wire, through one meter at one point of delivery.

Rate: Net monthly bill:

85¢ for the first 12 kwh, or less
3.9¢ per kwh for the next 88 kwh
2.6¢ per kwh for the next 100 kwh
1.3¢ per kwh for all additional kwh

Minimum Bill: 85¢ per month.

Tax Adjustment: The Company may increase the bill for electric service supplied under this Schedule by an amount equal to the proportionate part of any taxes other than those in effect on December 31, 1957.

Payment: The net monthly bill is due and payable when rendered and becomes delinquent 10 days thereafter.

Special Terms and Conditions:

(1) When two or more apartments or residential dwelling units are wired to receive service through one meter, Schedule GS-57 is applicable. As an alternative, Schedule R-57 may be applied by multiplying the kwh in each block of the rate and the initial charge of 85¢ by the number of apartments or residential dwelling units so served. Service to the halls, basement or other common use portions of an apartment building or multiple dwelling building will be supplied under Schedule GS-57.

(2) Where a portion of a residential dwelling unit is used for non-residential purposes, Schedule GS-57 will apply to all services used for non-residential purposes. When the wiring does not permit separate metering, Schedule GS-57 will apply to all service supplied.

(3) Incidental motors not larger than three horsepower may be served under Schedule R-57 when used for domestic purposes.

(4) When three phase service is required for any residence, Schedule GS-57 will apply to the entire electric consumption of this premise.

(5) Employee discount - 40%.

PUBLIC SERVICE COMMISSION OF MONTANA

The Montana Power Company | Schedule GS-57 | General Electric Service

* *

Available For: All electric service required when supplied through one meter at one point of delivery. Not available for standby, breakdown, supplementary, resale or shared service.

Type of Service: Sixty cycle alternating current at such phase and voltage as Company may have available.

Rate: Net montnly bill:

90¢ for the first 12 kwh, or less
3.9¢ per kwh for the next 288 kwh
2.8¢ per kwh for the next 1,500 kwh
1.7¢ per kwh for the next 3,200 kwh
1.0¢ per kwh for the next 15,000 kwh
0.8¢ per kwh for the next 200 kwh per kil.
0.55¢ per kwh for all additional kwh.

Plus: First 10 kilowatts - no charge
Next 20 kilowatts - $1.00 per kilowatt
all additional kilowatts - 90¢ per kil.

Minimum Bill: 90¢ per month.

Tax Adjustment: The company may increase the bill for electric service supplied under this Schedule by an amount equal to the proportionate part of any taxes other than those in effect on December 31, 1957.

Payment: The net montnly bill is due and payable when rendered and becomes delinquent 10 days thereafter.

Determination of Kilowatts: The average kilowatts supplied during the 15-minute period of maximum use during the month, as determined by permanently installed indicating type meter.

Special Terms and Conditions: Customer may be required to pay the cost of installing and removing all of the facilities required to supply seasonal and short term service. Customer must pay the cost of installing and removing all of the facilities required for rendering temporary service.

Issued July 1, 1958, and approved by the Public Service Commission of Montana.

PUBLIC SERVICE COMMISSION OF MONTANA

The Montana Power Company Schedule GSG-62-E

* *

General Natural Gas - - - Extension Area Service

- -

Available For: Residential, limited commercial and limited industrial gas service in all new territory served by Company after effective date.

Base Rate:

First 1 MCF or less per month $2.00
Next 99 MCF per month @ $0.65 per MCF
Next 200 MCF per month @ $0.47 per MCF
Next 700 MCF per month @ $0.36 per MCF
Next 4000 MCF per month @ $0.32 per MCF.

Prompt Payment Discount: None.

Minimum Bill: $2.00 per month which includes 1 MCF.

Tax Adjustment Clause: The Company may increase the bill for natural gas service supplied under this schedule by an amount equal to the proportionate part of any taxes including export and import taxes other than those in effect on April 1, 1961, subject to the prior approval of the Montana Public Service Commission.

Special Terms and Conditions:

(1) Customers using or requiring in excess of 5000 MCF per month may be served only after securing written consent of the company. If such consent is given, service may be supplied under special contracts subject to the approval of the Montana Public Service Commission.

(2) Full time permanent employees of the Company shall obtain a 25% discount from the above rate for personal residential use. Discount does not apply to minimum bill.

Issued April 1, 1962, and approved by the Public Service Commission of Montana.

PUBLIC SERVICE COMMISSION OF MONTANA

Montana-Dakota Utilities Co. Schedule 10-M-2 Residential Service

* *

For Use In: All communities served in Montana.

Availability: Available for single phase electric service in dwelling units occupied by one family.

Rate: Base rate: $1.50, and

First	50 kwh per month	3.0 ¢ per kwh
Next	100 kwh per month	2.75¢ per kwh
Next	100 kwh per month	2.5 ¢ per kwh
Over	250 kwh per month	2.25¢ per kwh

Tax Adjustment: The Company's standard tax clause, which is on file with the Commission, shall apply.

Prompt payment discount: None. Bills are due when rendered and become delinquent if not paid within ten days.

Minimum Bill: The base rate.

Special Terms and Conditions: The Company's rules which are on file with and approved by the Commission from time to time are incorporated within by reference.

Issued November 23, 1959, and approved by the Public Service Commission of Montana.

* *

Montana-Dakota Utilities Co. Schedule 20-M-2 General Electric Service

* *

For Use In: All communities served in Montana.

Availability: All types of service except street lighting, standby, resale or industrial customers covered by special contracts. The customer's wiring must be so arranged that all service can be measured through one meter. If the customer does not connect his wiring into a single system, each meter shall constitute a separate billing unit.

Rate: Demand charge: First 10 kw or less of billing demand, no charge; over 10 kw per month of billing demand, $1.70 per kilowatt.

Energy charge:	First	300 kwh per month,	6.0¢ per kwh
	Next	300 kwh per month,	5.0¢ per kwh
	Next	400 kwh per month,	4.3¢ per kwh
	Next	1000 kwh per month,	3.4¢ per kwh
	Next	8000 kwh per month,	2.2¢ per kwh
	Over	10000 kwh per month,	1.6¢ per kwh

Determination of billing demand: The demand in kilowatts for billing purposes shall be the maximum 15-minute measured demand in the current month. Demands will be determined to the nearest one-tenth kilowatt. Customers whose loads have rapidly fluctuating and/or intermittent demand characteristics shall be subject to special rules and regulations.

Power factor clause: The Company may make tests to determine the power factor of the customer's load. If the power factor at the metering point under normal operating conditions is below 85%, the billing demand shall be determined by multiplying the measured demand by .85 and dividing the result by the actual power factor.

Discount for primary service: A five per cent discount shall be allowed if the customer provides his own transformers and related equipment, satisfactory to the Company, so that he can receive service and be metered at primary voltages of 2,300 volts or greater.

Minimum monthly bill: The largest of: $1.70, or
The demand charge for the current month, but not less than $1.70 nor less than 85 cents per kw of the highest demand in excess of 10 kw used during the previous eleven months.

Prompt payment discount: None. Bills are due when rendered and become delinquent if not paid within ten days.

Tax adjustment: The Company's standard tax clause, which is on file with the Commission, shall apply.

Special terms and conditions: Architects, contractors and electricians should consult with the Company before proceeding to design or erect installations in which there will be a substantial electric load, to make sure their equipment will meet requirements and receive adequate service.

The Company's rules which are on file with and approved by the Commission from time to time are incorporated herein by reference.

Issued April 16, 1957, and approved by the Public Service Commission of Montana.

GENERAL TAX INFORMATION

Montana is fundamentally a property tax state since approximately 60% of our revenues derive from this source. Property is divided into eight classes for taxation purposes, and property is assigned a taxable valuation of between 7% and 100% of its "true and full value" as determined by the local assessor. Land and improvements, manufacturing machinery, fixtures, and supplies of established Montana concerns, who are not entering new fields of endeavor, are assigned a taxable valuation of 30% of their "true and full value". However, such property of new firms in Montana or established firms who are investing in new fields, is assigned a taxable valuation of only 7% of its "true and full value" for a period of three years before the normal 30% valuation applies. The "true and full value" assessment is usually set at less than 40% of the actual value of the property. Therefore, Montana offers two types of tax incentives to new endeavors. The first is the reduced valuation for three years and the second is the low assessment.

After the taxable valuation is determined, the applicable total millage of the county and/or city where the property is located is applied. The average total mill levy for counties in fiscal 1961 was 100.36 mills, and the average for cities was 160.50 mills. The average for the State was 130.43 mills. As you know, 1,000 mills = one dollar of taxes for every dollar of assessed valuation.

The following sample formula will serve to illustrate the method of levying taxes on property in Montana (assuming a $200,000 property assessed at 38% of its actual value and assigned a taxable valuation of 30% of the assessed valuation, with the average millage applying):

Tax = $200,000 x 38% x 30% x 130.43 mills
= $2,973.80

Tax for each of first three yrs. = $200,000 x 38% x 7% x 130.43 mills
= $693.89.

Montana law provides that corporations shall pay 4½% of their net taxable income to the State, with a minimum tax of ten dollars. Federal income taxes are not allowed as deductions in determining net income.

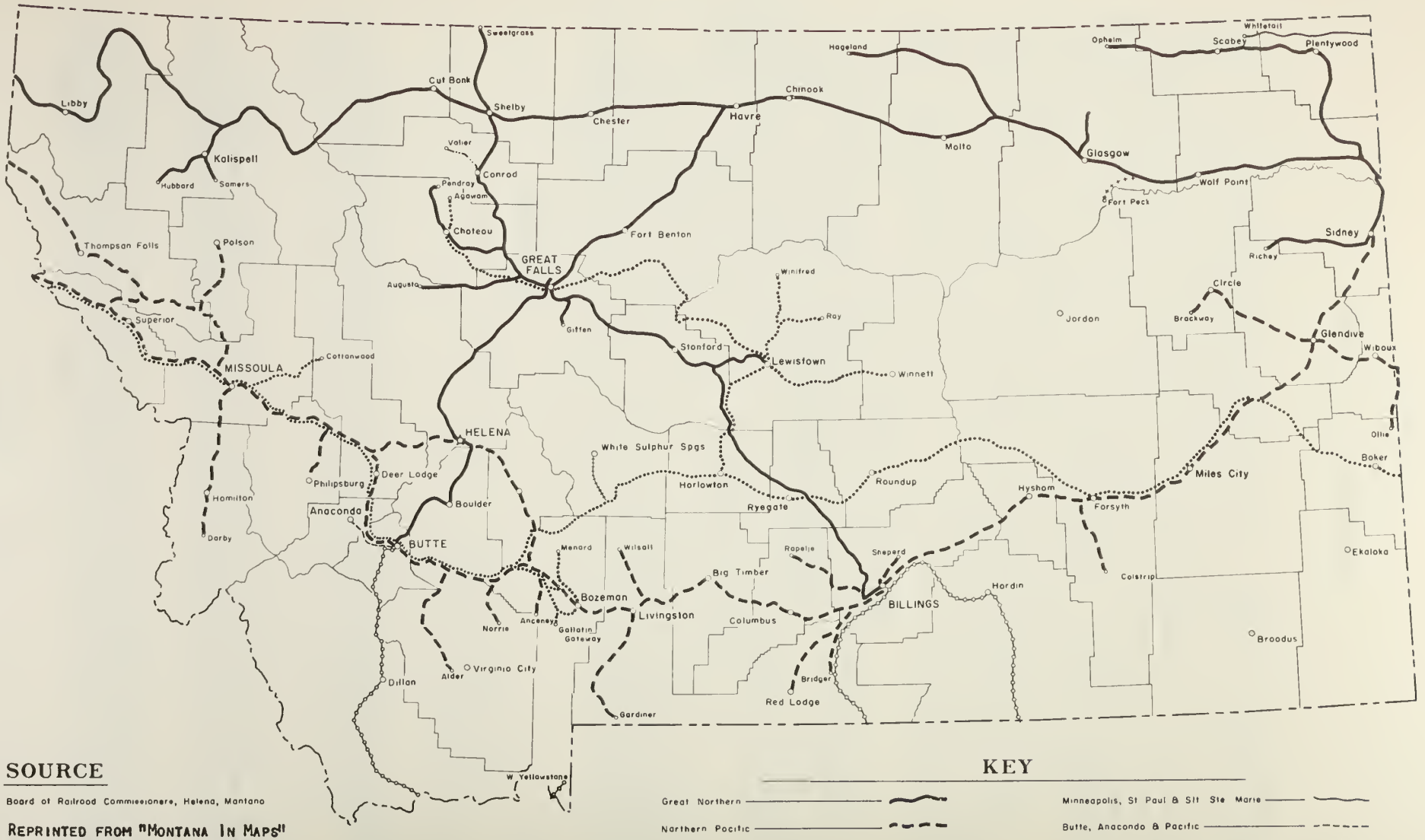
Unemployment tax is financed by employer contributions which are set by the Unemployment Compensation Commission for each employer according to classifications. Maximum participation is 2.7% of payroll on the first $3,000 per year of wages and salaries for each employee.

Montana has neither a general sales tax nor a use tax. Montana's personal income tax is graduated from 1% on net taxable income up to $1,000, then by approximate increments for each additional $1,000 until it reaches 7% above a net income of $7,000.

APPENDIX III

MAPS SHOWING MONTANA AIRLINE, RAILROAD AND HIGHWAY ROUTES

RAILROADS



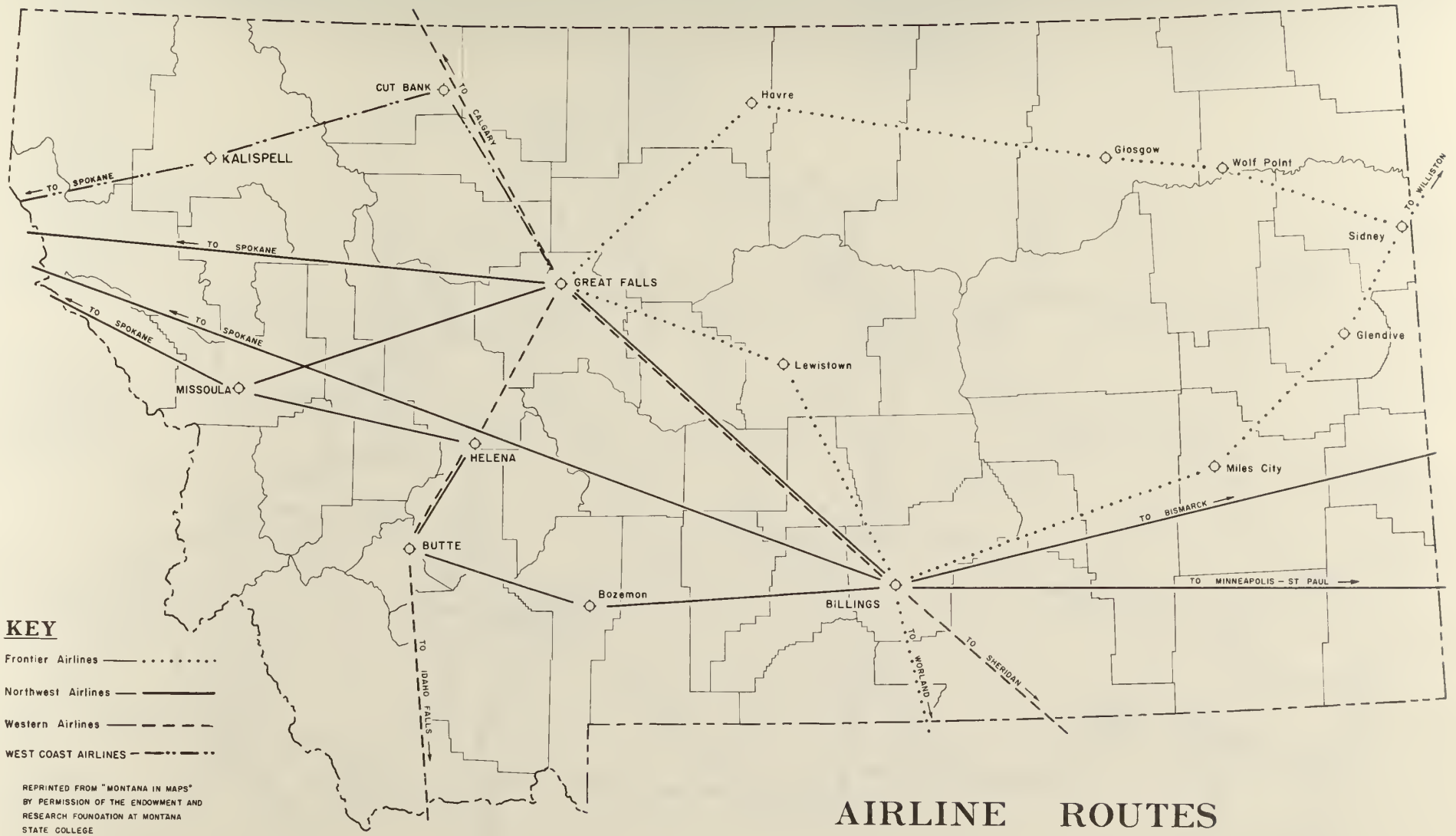
SOURCE

Board of Railroad Commissioners, Helena, Montana

REPRINTED FROM "MONTANA IN MAPS" BY PERMISSION OF THE INDOWMENT AND RESEAROH FOUNDATION AT MONTANA STATE COLLEGE

KEY

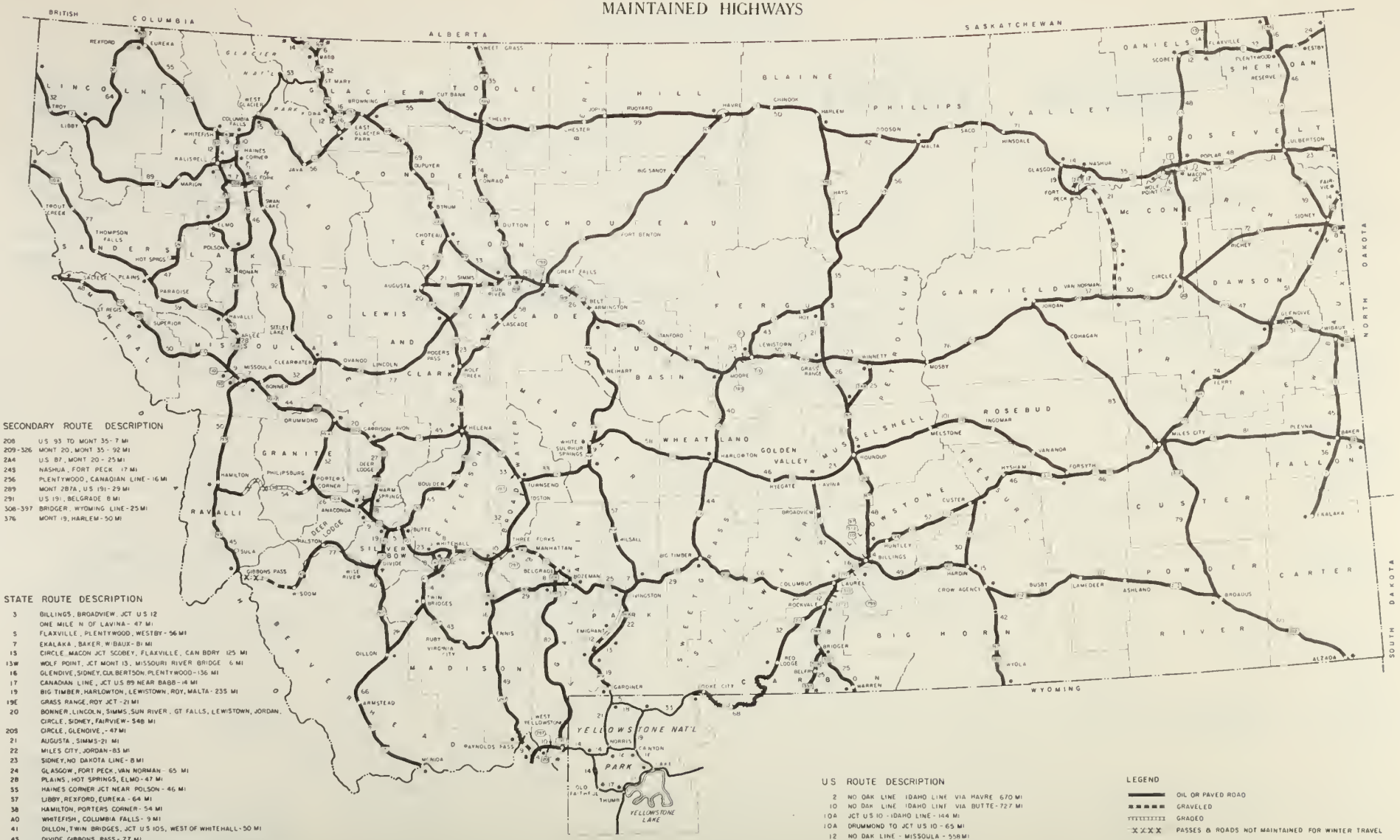
- Great Northern
- Northern Pacific
- Chicago, Milwaukee, St. Paul & Pacific
- Chicago, Burlington & Quincy
- Union Pacific
- Minneapolis, St Paul & Sit Ste Marie
- Butte, Anaconda & Pacific
- Montana Western
- United States Government
- White Sulphur Springs & Yellowstone Park



REPRINTED FROM "MONTANA IN MAPS" BY PERMISSION OF THE ENDOWMENT AND RESEARCH FOUNDATION AT MONTANA STATE COLLEGE

AIRLINE ROUTES

MONTANA HIGHWAY COMMISSION
MAINTAINED HIGHWAYS



SECONDARY ROUTE DESCRIPTION

208	U.S. 93 TO MONT 35 - 7 MI
209-326	MONT 20, MONT 35 - 92 MI
244	U.S. 87, MONT 20 - 25 MI
248	NASHUA, FORT PECK - 17 MI
256	PLENTYWOOD, CANADIAN LINE - 16 MI
289	MONT 287A, U.S 191 - 29 MI
291	U.S 191, BELGRADE 8 MI
308-397	BRIDGER, WYOMING LINE - 25 MI
376	MONT 19, HARLEM - 50 MI

STATE ROUTE DESCRIPTION

3	BILLINGS, BROADVIEW, JCT U.S 12 ONE MILE N OF LAVINA - 47 MI
5	FLAXVILLE, PLENTYWOOD, WESTBY - 56 MI
7	EKALAKA, BAKER, WIBAUX - 81 MI
13	CIRCLE, MACON JCT SCOBEY, FLAXVILLE, CAN BDRY 125 MI
13W	WOLF POINT, JCT MONT 13, MISSOURI RIVER BRIDGE 6 MI
16	GLENDIVE, SIDNEY, CULBERTSON, PLENTYWOOD - 136 MI
17	CANADIAN LINE, JCT U.S 89 NEAR BABB - 14 MI
19	BIG TIMBER, HARLOWTON, LEWISTOWN, ROY, MALTA - 235 MI
19E	GRASS RANGE, ROY JCT - 21 MI
20	BONNER, LINCOLN, SIMMS, SUN RIVER, GT FALLS, LEWISTOWN, JORDAN, CIRCLE, SIDNEY, FAIRVIEW - 548 MI
200	CIRCLE, GLENDIVE - 47 MI
21	AUGUSTA, SIMMS - 21 MI
22	MILES CITY, JORDAN - 83 MI
23	SIDNEY, NO DAKOTA LINE - 8 MI
24	GLASGOW, FORT PECK, VAN NORMAN - 65 MI
28	PLAINS, HOT SPRINGS, ELMO - 47 MI
35	HAINES CORNER JCT NEAR POLSON - 46 MI
37	LIBBY, REXFORD, EUREKA - 64 MI
38	HAMILTON, PORTERS CORNER - 54 MI
40	WHITEFISH, COLUMBIA FALLS - 9 MI
41	DILLON, TWIN BRIDGES, JCT U.S 105, WEST OF WHITEHALL - 50 MI
43	DIVIDE, GIBBONS PASS - 77 MI
47	HARDIN, CUSTER - 30 MI
48	ANACONDA, WARM SPRINGS - 6 MI
49	EAST GLACIER PARK, KIOWA - 12 MI
287	WEST YELLOWSTONE, ENNIS, TWIN BRIDGES, WHITEHALL, SAPPINGTON JCT. THREE FORKS JCT., TOWNSEND, HELENA, WOLF CREEK, AUGUSTA, CHOTEAU, BROWNING, KIOWA JCT, BABB, CANADIAN LINE - 463 MI
287A	ENNIS, SAPPINGTON JCT - 35 MI
789	WYO. LINE, WARREN, LAUREL, BILLINGS, ROUNDUP, GRASS RANGE, LEWISTOWN, GREAT FALLS, SHELBY, SWEETGRASS - 427 MI

U.S ROUTE DESCRIPTION

2	NO DAK LINE IDAHO LINE VIA HAVRE 670 MI
10	NO DAK LINE IDAHO LINE VIA BUTTE - 727 MI
10A	JCT U.S 10 - IDAHO LINE - 144 MI
10A	DRUMMOND TO JCT U.S 10 - 65 MI
12	NO DAK LINE - MISSOULA - 558 MI
20	WEST YELLOWSTONE - IDAHO LINE - 10 MI
87	HAVRE WYO LINE - 454 MI
89	CANADIAN LINE - GARDINER 403 MI
91	CANADIAN LINE - IDAHO LINE 409 MI
93	CANADIAN LINE - IDAHO LINE 293 MI
191	BOZEMAN - IDAHO LINE - 99 MI
212	COOKE CITY BILLINGS - WYO LINE 359 MI
310	LAUREL - WYO LINE - 55 MI
312	BROADUS - MILES CITY - BILLINGS - 227 MI

LEGEND

- OIL OR PAVED ROAD
- GRAVELED
- GRADED
- XXXX PASSES & ROADS NOT MAINTAINED FOR WINTER TRAVEL
- INTERSTATE ROUTE
- U.S. ROUTE
- STATE ROUTE
- SECONDARY ROUTE
- ☆ STATE HIGHWAY HEADQUARTERS AT HELENA
- ○ DIVISION HIGHWAY HEADQUARTERS

Rev 12/31/81